STRATEGIES TO DEVELOP READING SKILL IN HEARING IMPAIRED CHILDREN AT HIGH SCHOOL LEVEL

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CHAPTER - I

READING AND ITS IMPORTANCE TO HEARING IMPAIRED

1.0, Introduction:

Education and welfare of the disabled has received a great thrust doing the later half of the 20th century. The 1980's have seen an unprecedental awakening of interest disabled all over the world marked firstly by the United Nations Declaration of 1981 as the International year of the disabled persons (INDP) and subsequently by the proclamation of 1983-1992 as the decade of the Disabled, motto of which was "full participation and equality". the The World conference on special Needs Education held Salmanca, Spain from 7-10,1994 reaffirmed commitment Education for all. "The concept of Inclusive school is emerging trend which proclaims that children and youth with special educational needs should be included educational arrangements made for the majority of children. The same concept of inclusive schools is embodied underlining philosophy of the scheme of Integrated Education for Disabled children (IEDC) which is considered a major strategy for providing education to a vast number bdisabled children in our country.

According to UNICEF, India has three hundred million children under 14 years of age have obvious disabilities. This means India may have about 15 million children requiring some educational assistance. Currently 50 to 60 thousand children receive education in about 1200 s

schools. Another 40,000 are in integrated education programmes, and about 50,000 students receive scholarships from various state governments. This means at the present time, Indian government is able to serve not more than 1% of the disabled children.

Rehabilitation of disabled has been included in the new 20 point programme. "Rehabilitation of all disabled by 2000A.D" is one of the goals in the VIII five year plan; the NPE programme of Action has envisaged coverage of hearing impaired children who can receive education along with others in general schools by 1990 and II-14 years by 1995. Those who need education in special schools are to be covered by 2000 A.D.

It is envisaged that for the severe and profoundly disabled group special teachers may be continued till secondary stage, but for mild and moderate children special teachers may be discontinued after the Primary stage i.e about 8 years preparation should make it possible to dispense with special teachers. It is envisaged that educational services is extended on a priority basis for persons in the educational age group of 6-18 years with adequate pre-school preparation programmes.

On account of the scheme of integrated education for disabled children (IEDC), the need of the literacy skills for the disabled children are much more significant, if disabled children are to be successfully integrated. These literacy skills are much more important to hearing impaired children, when compared to others, as their natural way of

acquisition . language is affected due to hearing loss.

Among the literacy skills reading and writing occupies prime place in the academic environment of the disabled child in general and hearing impaired child in particular.

1.1 Reading:

It was some three hundred and fifty years ago that Francis Bacon wrote "Reading maketh a full man, conference a ready man and writing an exact man. This aphorism holds good in 1990's also, even though our technological advances have brought in many new media of communication.

Reading unifies the related language arts of writing listening and speaking, What is written is read and what is read is discussed. Reading thus integrates and affects the nature and quality of oral and written language. Reading permeates cyrriculum and is a major source of knowledge in every subject field. Therefore instruction in reading should become an integral part of instructional experience in every subject.

Reading is an essential and to personal development and social progress. It is an indispensable factor in modern culture interwoven with work, recreation and other personal and social activities of men and women. Towards "the learning society" is the goal of the educational endeavour of the developing countries. To avhieve this goal an attempt should first be made towards a reading society, as a "reading society" can also become a "learning society.

Ashby (19 1 refers to the invention of printing as the third revolution in education. With the onset of this revolution reading has gained the importance of being, i f not the sole, but the significant single source knowledge. Even the fourth revolution, the emergence eletronics, has not belittled the importance of reading as a means of gaining knowledge and has infact, necessitated the development of higher levels of and more varied reading such as reading to scan, to select and to the printed or the projected plethora of material available for reading. Explosion of knowledge is taking place and new information is being flooded through very many media, and the reader is awamped with pieces of information that he\she has to process to understand and posses. Reading now an extended connotation and include reading off the has pages and off the screen as well.

For individual, intellectual equipment, for personal growth, for the development of advanced knowledge, social economic and even political growth and welfare of a country, reading directly or indirectly serves the means.

Havighurst (1941) says, Reading is a means of acquiring the cultural legacy and the pursuit and possession of the cultural tradition and is one of the developmental tasks of the young.

1.1.1 Reading, a pognitive process:

Reading is externally guided thinking (Neisser 1967).

Readers must rely on the frame work (content), style set by

the author. In interreting words, sentences and paragraphs, the reading must bring their previous knowledge to bear on new knowledge and to the task of integrating both.

The reading is an active information processor, reading get information through tasks such to as rehearsal, focussing attention, and problem solving (sticht Thinking, problem solving reflection and concept formation are activities that stimulate cognitive processess (Allen 1976). Cognitive and concept formation are activities that stimulate cognitive processes (Allen 1976). Cognitive ability in reading involves two processes the comprehension interpretation. Comprehension is based partly familiarity with and recognition of the modes of thought employed by the author of the material read. Interpretation to the reader's own modes of thought, to what he applies believes the author means, readers often differ in these two processes in methods as well as in levels.

The reader while processing information uses his/her own knowledge to construct own internal representation of the text through the principles of macro - processing such as generation, deletion, integration and construction. Comprehension processes involve both linguistic information from a particular problem statement, as well as general problem solving strategies. They are guided by various linguistic cues in paragraphs, such as connective pronouns, relative clauses, verbal coding speed and short tem memory are basic to skilled comprehension. Comprehension also

depends on quick and effective encoding at various levels. The cognitive processes in comprehension are varied and their use is based on linguistic socio-linguistic and cogntivie influences (Carpenter and just 1977).

Learning to read starts with identification and deciphering of graphemes, phonemes, and morphemes and this learning will help the reader to know and to some extent understand the content read. Learning is not simply knowing; it also includes the development of higher abilities. These can be developed cognitive through reading. He/she reads to learn, to learn higher cognitive Reading itself is a cognitive process and this abilities. congnitive process can be taken to higher levels. Reading then will be a means of learning higher cognitive abilities. Reading to learn implies moving to higher levels of reading reading for comprehension, to reading interpretation and inference. Creative reading is possible when the readers learn information from the lines, through the lines, between the lines and beyond the lines read, and make use of the information in getting or saying something new that has not been expressed in the read explicitly or implicitly. 'Learning to read' therefore should cultivate 'reading to learn' if the reader wants to put reading to the maximum possible use.

1.1.2 Reading Strategies: The reader is as active in searching for meaning as is the writer in creating written language. The reader uses number of complex plans or

The significant strategies in strategies. the reading process involve predicting confirming and integrating. strategies are used by all readers with varying degrees of proficiency, from the very beginning of reading. In most cases readers have no conscious awareness of their attempts to opmprehend what they read. As readers, one uses one's own language proficiency and knowledge about the World tentative decisions. These are confirmed disconfirmed through questioning the sense of the language. reads, one continuously adds to alters, organizes one As his/her meaning & thus expanding the universe of his/her knowledge.

1.1.3 Prerequisites to reading strategies: There is a clear relationship between the language and the meaning of the text. Students own language proficiency and his/her knowledge in the subject field or the content make the material predictable. When this reading material is presented as a whole and reflects its meaningfulness and use intensely, then the students will apply their accumulated language knowledge proficiency in the construction for meaning. In the process of constructing meaning the readers will make use of three language systems namely graphophonic, syntactic and semantic.

The closer the content of the reading material is to the life and experience of the students, and the closer the

concepts of reading material are to what students already know, the earier it is for them to understand the meaning and relationships in the reading material.

Readers can predict, making use of their language experience in graphophonemic and syntactic information and in semantic knowledge. They can integrate what they are reading with what they know in order to comprehend the content read. The more context available to the readers the more support there is for understanding and comprehension.

Language system and reading strategies operate in an interrelated fashion. When readers are dealing with any one of the individual strategies, or focussing on any one of the language systems, all the other strategies and systems are still operating. Although proficient readers balance their use of reading strategies and systems are still operating. Readers balance their use of reading strategies and cueing system successfully, begining readers may need to be directed away of over reliance on one cue system and under utilization of the other reading strategies. With experience and guidance beginning readers learn to integrate all the strategies and cue system effectively and efficiently.

Good pedagogy suggests that the teacher prepare and motivate students to relate their background of information, introduce significant or troublesome vocabulary, help set purposes for reading, allow them time to read, to process information and to extend or enrich the topic. This is what

is termed directed reading. The teacher should know when to back off and allow students to try out their own strategies.

Reading has intellectual cultural, social and values if developed at higher levels. The components of language syntax, semantics, pragmatics graphophonology - are mutually interdependent. Threfore observation of one necessitates attention to the others. Wardbaugh contents that the reader uses visual cues of knowledge of probabilities of occurence spelling contextual pragmatic knowledge and in syntactic and semantic competence to give meaningful interpretation to the text (p. 133). Thus reading is a complex linguistic activity highly dependent on a child's overall language ability, cognitive functioning, and experience and knowledge of world. In the mastery of reading, children employ all components of language as they occur in written language format (Wischer 1976),

1.1.4 Models of reading: Reading comprises of a variety of complex behaviours and processes that serve many functions for individuals and society. Albert Einstein is said to have observed that the task of learning to read is the most complex of all the tasks that humans have devised for themselves (Cram 1971) Most models of reading processes can be classified as bottom up models, top down models and interactive models.

In the bottom up models, reading is bascially viewed as translating decoding and encoding process. In these models

the reader attends to letters, anticipates the words the letters will spell, and identifies the words with further expectations as to how they will string together, and what they will mean when assembled into phrases and sentences. Reading comprehension in the bottom up models is essentially viewed as an automatic out come of the accurate word recognition. An underlying assumption of the bottom up model is that readers predominantly use a speech based code to access meaning from print.

Most of the tope down models of the reading processes are based on psycholinguistic concepts involving interaction between thought and language. The readers cognitive and language competence play a key role in the construction of meaning from printed material. Reading, in a top down model, is viewed as a dynamic psycholinguistic process by which a reader extracts meaning from a message presented in graphic form. The reader samples selectively from the text and formulates a hypothesis about the meaning (Goodman 1976).

Interactive models claim that bottom up and topdown processes occur simultaneously for skilled readers. Good readers perceive reading as a form of communication, that is, they sense that there is a story or a message being presented to them, and they use searching type behaviour to understand what is happening or what is being expressed (Jones 1982). The reader's knowledge of syntactic and semantic constraints along with the natural redundency of language, help the reader to formulate a viable prediction

which is confirmed or denied as the reader continues to process the written material. Smith (1978) suggested that two kinds of information facilitate the reading process. The visual information, which is the written word and the non visual information which is the knowledge already present in the readers cognitive store. The reader must learn to make full use of both forms of information in order to comprehend written language effectively. (Hammerneister, Irsraelite 1983). Thus the graphic information in the text and the information in the readers mind both are important in describing interactive models.

1.2 Dynamics of Reading skill: Reading with comprehension thinking. Thinking is a complex, internal process. means direct agreesment of thinking therefore, is possible. But we can conceive of different levels of thinking adapting Bloom's taxanomy of cognitive domain. Smith (1967) speaks such a classification of the levels of comprehension. οf The cognitive processes involved at each level of reading are at literal comprehension, only memory and translation are involved, at interpretive level, cognitive process interpretation and application are involved. For creative reading corresponding level in Bloom's categories is not given. The classification of reading skills by various authors' though differ in their labelling, they mainly the following four levels of reading refer to Smith, Francis Robinson 1970, Bloom Barret 1968, Barret 1966, Gray Robinson 1960, Walcutt 1967, Hecker 1968.

- 1.2.1. Literal Comprehension: To comprehend passage one requires at least three abilities. The ability to observe and use the different relationships of ideas, the ability to set specific purposes in reading, and the ability to make full use of previous learning in attacking the new material. In literal terms of Niles (1963) this means simply listing the ideas and or aranging them chronologically.
 - 1.2.2. Interpretation: The reader reads between the lines at the interpretation level and reacts to the ıdeas expressed in the passage. According to Niles (1963) this means observing comparison, constrast relationship or cause and effect relationship. The ability to observe one or more οf these relationships is comprehension skill. perception of a specific purpose in reading facilitates comprehension. Associational reading, that is reading making full use of the backlog of real and vicarious experiences that one possesses makes reading more meaningful. Nules calls this ability reading readiness extended form. All these observing relationships, perception of purpose, associating-means reading between lines and reacting to the ideas expressed in the the passage. For literal comprehension and interpretation, these three abilities are required-observe, use and set Teachers have to help students develop these purpose. by pointing out the thought relationships in the abilities passage, making students aware of the purpose of reading and

also focussing their attention to related ideas they already know. Comprehension becomes quicker when students learn to skim and to scan; Skimming is meant for getting a general ideas of selection of what a book is about and scanning helps to locate specific information.

1.2.3. Critical Reading:

Reading is at the critical level when one reads beyond the lines and infers, hypotheses, predicts or judges, critical reading is closely related to critical thinking. Critical thinking involves the exercise of the power of reaching a conglusion.

DeBoer (1946) describes critical reading as reading that "involves the search for relevant materials, evaluation of the data, identification and comparison of and the synthesis of findings. It involves the capacity for suspended judgement, and the interpretation of the writers motives. Critical reading is judging the veracity and validity of the material read. This judgement is based on sound criterial developed through previous experience. Robinson (1966) in her paper presented at the first International Reading Symposium, points out that to become a critical reader requires competence in the basic skills and abilities in word perception and comprehension, an inquiring attitude, a background of information about the topic, ability to weigh evidence while one suspends judgement and understanding or control of one's biases.

1.2.4. Creative Reading

Creative reading extends the reading selection and rearranges the ideas obtained into new thoughts and fresh ideas. In creative reading it is especially important that one thinks about the many possible uses of information one is reading. Creative reading transforms the reading material, into something highly personal. It fosters divergent thinking, about what has been read. The creative reading group had to think of new possibilities suggested by the statement of the problems; other possible hypotheses, better methods of collection of data, possible conclusions and interpretations of the findings, and an appraisal of the possibilities stemming from the findings (Torrence and Harmon 1961).

Thus there are four levels of reading. The first two levels of literal comprehension and interpretation are of the lower order and the other two levels belong to the higher order the four levels arrange themselves in a hierarchy on the comprehension continuoum. Literal comprehension simply grasps the ideas, interpretive reading reacts to the ideas in the passage and in critical reading and creative reading new ideas are produced based on the information read.

Critical and creative reading require the exercise of higher level thought processes. Questions that probe cognitive abilities at higher level will demand higher comprehension skills. Therefore the teachers, by setting

questions at higher cognitive levels can help the students rise higher in their reading comprehension level.

If the reading is to be raised to its highest level in students, then they will need a programme of instruction based on the following purposes in mind-the development of comprehension aimed at promoting thoughtful reflective reading, the ability to vary reading techniques according to the type of reading material and the purpose for which reading was undertaken, the improvement of reading speed and the ability to vary the speed according to the needs of the situation, the ability to interpret specialist subject material.

But reading abilities in general and high level reading abilities in particular are influenced by many factors such as attitudes, motives interests, curiosity, anxiety, classroom atmosphere, child's background, teachers sensitivity to the group, emotional problem etc.

1.2.5. Attitudes

Attitudes denote bias, preconceptions, feelings, emotions, hopes and fears. They form the emotional screen through which one views the world. Attitudes and emotions are closely related. One's feelings, attitudes, as well as intellectual abilities affect one's reading abilities as well as critical reading abilities. Attitudes provide with a personal outlook on the World through one's own feelings, biases, inclinations, preconceived notions, ideas, fears,

threats and convictions making each person's view of the world different from everyone else which in turn affect his judgement or evaluation in critical reading. Negative attitudes are influential than positive attitudes. Attitudes affect reading at the perception level by helping to detemine words as one actually acc, at the understanding level of actesting those things that will be remembered and those that will be forgotten, readers go beyond the identification of stated ideas and facts, and engage in interretive and evaluative thinking as they read. This makes them particurly susceptible to their own emotions, prey to their own attitudes. People differ in reading performance as much because of variations in attitudes, as because of variations in intelligence. The child's reading ability is influenced not only by his own attitudes but by the attitudes of his parents, teachers and the community lierballer langen bit.

1.2.6. Interests

interest in reading increases reading skill, promotes reading habit. Pupils enjoy the results of reading when reading is built on their interests and needs. If they are not interested in reading especially, critically, they will not and cannot utilize their own potentials in critically evaluating the material they read. Considering students' needs in selecting topics for critical reading is one way of developing interest in students to read critically. Using varied kinds of students and teachers' own experiences and

ensuring understanding and enjoyment through reading promotes and sustains interests: Wherever possible students efforts to read critically should be encouraged and guidance given with positive attitude towards the problems students face, whenever they feel any difficulty or try to withdraw for any reason.

1.2.7. Motives:

Motive is an aroused state of an individual. Motivation promotes reading skill. There are three areas of motives that may effect reading achievement. They are (1) motives the child brings to the school with him/her from environment e.g: socially disadvantaged child often comes school poorly prepared to learn to read because there has been little preparation or interest in reading at home (2) The motives and attitudes that the child forms as he\she learns to read during the six or seven years while he\she is being taught complex reading skills. Repeated failures in reading during this period forms failure threat-anxiety syndrome resulting in negative attitudes toward reading skills. (3) Teachers and school attiutde toward learning - these are very subtle and sometimes 'sub conscious' feelings and expectations about the child that the teacher and the school hold will highly influence the performance of the child. If the teacher has positive attitude towards the child, he or she makes the child learn by various methods, will not leave the child until he\she

learns. If she/he has negative attitudes that the child won't learn, as all his/her attempts are influenced by his/her negative attitude and assumption that the child is not capable of reading.

Thus these three motives are much more important than the reading methods and materials used with the child. Given good motivation in all of these areas, that is, environment personal and teacher related attitudes, almost any reading material can be used successfully.

1.2.8. Curiosity:

Curiosity is conducive to good progress in reading. Curiosity of children is curbed when the child's questions are ignored, curbed, or laughed at for its ignorance or wrong conception. If the questions which are the central tool of critical reading are curbed the child is devoid of opportunities to develop his/her thinking abilities. Informal round group structure in the classroom facilitates and reinforces curiosity.

1.2.9. Anxiety:

Anxiety reduces curiosity and also affects academic achievement. The way in which a teacher or parents answer children's questions may be more important in the development of children's personality than the actual answer itself (Sarason, Davidson 1962). Anxiety may r from lack of achievement, over demanding parants

from the peer group over protective parents and so on. curiosity is the basic factor that develops attention, keen observation, thinking and questioning abilities which are essential to reading. This curiosity is reduced if anxiety ridden situations were created to children for various reasons and thus affect their thinking and reading ability.

1.2.10. Classroom Atmosphere:

Openness of mind and free experession of the children are hindered when there is an emphasis on only right abswers, punishing attitude towards mistakes committed by the students in a class room situation and this results, in silence in most cases which obstructs and stagnates childrens' thinking abilities. Free and open classroom atmosphere without the fear of punishment and mockery facilitates reading skills.

1.2.11. The child's Background Experience:

The child's knowledge of the topic, his\her chances of making sound judgements, his\her concepts, clarity of thinking will influence the child's reading. the lesser the child knows, experiences, the narrower willbe his\her thinking capacity and biased will be his \her reading.

1.2.12. Teacher's sensitivity to group needs:

Teacher must perceive the needs of the group in order to judge the number and variety of experiences for the development of meaningful concepts. Thus a per

background experience, his\her biases, prejudices, hopes and predispositions determine his\her interpretations of any kind of communication. Therefore the teacher must be sensitive enough to focus on childrens' biases, and prejudices for fair thinking and critical reading.

Thus, when students are well motivated through favourable attitudes, given topics of interest and of need, stimulate their currostry in a favourable classroom atmosphere with teacher's sensitivity to children's background experience and blases, the chances of their developing reading skill or higher level reading abilities than when they are prone greater to anxiety disinterest, indifference his/her chances of developing their reading ability are rare and in such emotionally obstructive circumstances.

1.2.13. The Role of a Teacher in Developing higher levels of reading:

The teacher plays a crucial role in developing higher levels of reading in students. Some of the ways in which he she can effectively carryout his her role are (1) To capitalize up the students individual differences in background and outlook and thus lead to different interpretations of the same story (2) to form individuals with differences as a group to instigate reading with curious attitudes (3) to utilize the communical structures and norms of the group to reinforce the

reactions to stories (5) to be alert to the factors that can block individual's progress in critical reading (6) to be sensitive to the kind of experiences the group has got. (7) to allow time to reflect and discuss (8) to utilize errors for discussion (9) to spend sufficient time and effort to plan the programme according to the needs, background experience, intellectual ability of the students. (10) above all, to have knowledge of reading process and psychology of reading development and how to develop it in the children.

1.3 Reading instruction to hearing impaired children:

Reading is an essential skill to develop for hearing impaired students. It is their primary means of gaining information from society in general. Yet it is an area of great challenge to teachers of the deaf, since hearing impaired students all frequently learn to read at the same time that they are acquiring language. Consequently the teachers task is a complex one.

Despite the seemingly poor performance of hearing impaired students in reading' research (North and Stevenson (1975) indicates that reading is the most efficient and effective method of obtaining information for this population. In order to learn to read, students must see ways of employing reading to further their own aims and interests. It is assential that a teacher should make reading a meaningful, enjoyable, useful and frequent

experience for the students. There is no one best method of teaching reading. Therefore, information regarding a variety of reading methoids and materials have to be understood. The successfull teachers one who analyses selections and decides on apporpriate instruction strategies based on the demands of each.

While phonic approach to teaching reading, interactive language development teaching, language experience approach, reciprocal teaching, delayed reading instruction are some of the approachs to beginning reading, predictable basalreading series, high interest low vocabulary method, individual reading approach, whole language approach, story mapping, paried reading "getting over the hump" functional reading are some of the reading approaches at elementary level. Sight words and phrases, vocabulory instructions, mapping, context analysis, using semantic additional resources are some of the techniques used for developing vacabulory. (Luctke - Stahlman and Lucker 1991).

Hearing impaired students depend more on formal instruction than do hearing student since they are less likely to have access to the incidental learning that is continueously available to hearing students because of their auditory link to society. (Dericle & Aldersley 1988). What teachers say and do in the classroom has a critical effect on student learning. Englert (1984) pointed out that an important teaching function related to student learning and student attention to academic tasks, classroom environments

that wre characterised as cooperative on academic tasks, warm, democrative, convivial, and with high level of student responsibility for academic work proved positive predictors of achievement (Berliner 1980, Fisheretal 1978).

Ιn addition, research by Wong & Le Mauve (1982) indicates that knowledge of the goal and the criterion for success on an assignment has a critical effect on how much special education students learn. Concomitantly, research reported by Moog and Geer (1985) with hearing impaired students indicates that intensity of instruction and increased teacher effort can make significant difference in the academic achievement levels of these students. Ιf impaired students are to make adequate progress, hearing teachers must use systamatic instructional procedures and manage the classroom environment so that students are engaged in academic tasks that are functionally relevant and provide adequate academic practice. Understanding and implementing the components of effective instruction will help the teacher meet the needs of his\her stidents enhance his\her feeling of accomplishments.

Providing effective instruction in reading to children in general and hearing impaired children in particular is the basic means of acquiring knowledge of the World to everyone and much more so for hearing implailed children owing to their auditory deficiency.

Knowledge of words is a critical factor related to success in reading. (Jonson, Toms Bronowski & Pittelman 1982) comprehension of a passage cannot occur until the reader identifies the author's chosen words and recognizes interrelationship among those words, and attaches meaning to word combinations (Johnson and Pearson 1984). the reported by LaSasso and Davey (1987) indicates that hearing impaired students vocabulary skills are an effective predictor of their reading comprehension. Therefore one of the major tasks facing teachers of hearing impaired students the expansion of students knowledge of words and Students must be exposed to new words meanings. context, they must discuss the words so that meaningful expressive vocabulary develops; they must read and write the new words. Students should come to understand that they are learning new words, not as an end in itself, but as a means of becoming more capable in communicating.

knowledge that readers bring to the text significant factor in both the quality and quantity of their and retention (Parestore and Indriseno recall Classroom applications have revealed that students who prepare for reading by relating background knowledge to both content and structure of the reading material specific improve their comprehension. (Hansen and Pearson 1982). A implication for teachers of hearing impaired logical that reading instruction should place an students is developing the necessary background a11 emphasis on

reading. The importance of providing a stage for an instructional lesson cannot be over emphasized. In this stage, background information is related to existing knowledge, purposes for reading are determined, significant vocabulary items are pretaught items (weed and Robinson 1983). Gormley and Franzen (19780 expressed concern that sufficient time was not being allocated for preteaching activities because they think that the poor reading performance of the deaf may be a failure of the educational process to teach the meaning of reading, making sense of written information in terms of the reader's experience (p.543). Inferntial questions, (May 1986) story frames, (Flowler 1982 meta comprehension (Fitzgeral 1983, chariot and Mallery 1984) are some of the techniques that can be used for effective reading comprehension.

Thus, knowledge of vocabulary, along with basic comprehension strategies, is the key to understanding written languages (Johnson and Pearson 1984). The acquistion of new vocabulary words is based, in part, on the fact that comprehension is building bridges between the new and old that is, for new concepts to be learned, they must that is, for new concepts to be learned, they must the related to concepts already known (Johnson; Toms Bronowski & Pittelman 1982). Taking the time to pre - thank review vocabulary in reading lessons provides a bridge between the ideas that are unfamiliar to students and knowledge that they have already acquiried.

The point of concern is that to date there is dearth of research that demonstrates that isolated tests and workbooks on single isolated sub-skills will not help students to read better, on the other hand, there does seem to be evidence showing that comprehension can be improved when teachers use corresponding in-put (Luctke-Stahlman 1988) and teach comprehension in an integrated interactive way, with an emphasis on inferential thinking (carr 1983, Hensen, and pearson 1981).

1.4 Need for the study: As has already been explained reading is a powerful tool with which one can enrich his\her knowledge, understanding and modify one's out look and attitudes, and attain higher academic aim only if one possen reading ability in all its dimessions. impaired children require this tool more than others reading is an alternative way of developing their language well as knowledge of World. Research in this direction as quite lagging even in foreign countries. In India is concern for special children was sensitized only in the recent past, especially after declaring the year of the such research with respect disabled in 1992. As to handicapped children in general, and hearing impaired particular has not yet taken proper place especially with reference to improvement of academic research achievement in special children as well as hearing impaired is consipicuously lacking. As developing reading skills not only provides a means for improving academic levels of

hearing impaired children but also helps im improving their cognitive levels, this study is envisaged. As IX class—is the penultiment stage for higher education, if reading is improved at this stage it would be useful for their further prospects. Hence class IX students were taken as the population for the study.

1.5 Objectives of the study:

- 1. To identify the reading levels of hearing impaired students in class IX.
- 2. 'To develop strategies to improve the reading levels of hearing impaired students in class IX using four school subjects.
- 3. To try out these strategies for their effectiveness.

1.6. Limitations of the study:

- 1. This study is confined to hearing impaired students of class IX students in Andhra Pradesh.
- 2. The strategies identified are confined to students of hearing impaired students in Tirupati School only
- 3. This study is confined to three levels of reading namely reading the lines (Literak) reading between the lines (inferential comprehension (2) reading beyond the lines (Critical and creative reading).

1.7. Statistics used for the study :

In this study the scores obtained were treated with the following statistics - Mean, S.D., Percentages, 't' tests, Correlations, factorial analysis.

1.8.Chapter schema:

The first chapter gives the introduction objectives, limitations and statistics used. The second chapter reviews the related literature in aspects such as reading as a cognitive process, teaching reading, comparsion of poor and good readers, factors affecting reading, methods and approaches to reading etc. The third chapter gives the methodology of the study interms of sample, tools used, collection of data. Fourth chapter analyses the data in terms of descriptive, inferential, correlations and factorial statistics. The last chapter gives the summery of the finding, implications and suggestions for for further study.

CHAPTER - II

REVIEW OF THE LITERATURE

2.0. Introduction:

Research studies take some direction while reviewing related literature. There are two basic purposes the this review. The first purpose is to avoid any research that has already been taken place in the field in the aspects thought over by the investigator; Secondly to understand the dimensions of various aspects of the for better perspective of the research topic and for design of the research. Research reviews also sensitizes the investigator with respect to constraints in the types of research design undertaken, and finally chosen. results of these researches. A 1 1 these aspects would sharpen the investigaors understanding research identifying the gaps in researches, needs of research in the field, problems of research design that would be tried. With this perspective a few studies were reviewed in chosen for better understanding, enrichment field 10 knowledge and sensitization in research aspects.

2.1 Studies abroad:

Understanding reading with respect to text and language related factors teaching assessment and evaluation, comparison of normal and poor readers, normal and deaf readers would be essential for identifying tasks involved in

reading for diveloping stratigies to improve the reading skills in hearing impaired students. Hence a few studies related to these aspects were reviewed.

2.1. Factors affecting reading in hearing impaired:

Developing reading skill is affected by various factors such as proficiency in language, home and school environment pognitive level of the students, reading processes, reading ability and intervention programmes. this section twenty seven studies focus on text and language related aspects; five studies enlightens on home and school environmental aspects, seven studies sensitizes cognitive aspects, seven more studies touches on reading proceses, four studies show relationship of oral language to reading ability and two studies throws light on intervention programmes. Thus totally 52 studies were reviwed in section to provide direction to the investigator in her research study. However the review is not exhaustive. Ιt is only exemplary for getting sentization to the issue 1n question.

2.1.1 Text & Language related factors :

Various studies show that reading skills and reading comprehension is primarily influenced by language ability and text, and text related factors such as materials, syntax idioms, etc. A few studies in these aspects were reviewed for better understanding of reading skill.

Prutting and Elliot (1975) studied, "The role of syntactic structures and semanctic features in comprehension task" and showed that children acquiring language are affected by semantic cues such as status of the and features of the noun as well as syntactical structures in performing comprehension tasks. Lasky and chagandy (1976) showed in their study on "Factors affecting language comprehension" that comprehension appears to be affected by the syntactic complexity, semantic familiarity, interaction ques, and ratio of presentation. Stick and: Mutchie (1976) studied syntactic versus semantic competency negative affix "UN" and showed that a notable for the improvement in comprehension of the negative concept occurred at 60 months of age. A study by Philips and Pangagos (1978) entitled "The effects of contextual information on children's language" showed that context (matching and mismatching information) age, and sentence (active and passive) significantly influenced type comprehension. They also indicated that children between 3-7 - years actively use contextual information to comprehend known and unknown sentences. Doebring, Bonny Castle and Ling (1978) suggested from their study on "Rapid reading integrated hearing impaired children" that skills of assessment of components of reading skills is worthwhile in to pay special attention to components of language order skills appropriate to the hearing impaired. They emphasised that severely and profoundly hearing impaired children

develop higher tevels of reading skills essential for academic success in the upper grades of regular schools. They also observed that some skills seems to be acquired at a normal rate while others may require special attention.

Gregory's (1980) study on "Phrasing in the speech and reading of the hearing impaired" showed that deaf youngsters have difficulty affecting the transition, phrase reading that is common for hearing students at or about the grade level. The author argued that this phrase sense can be instilled in hearing impaired students and that they can be trained to use it in reading. Robbin and Hatcher (1981) studied "The effects of syntax on reading comprehension of hearing impaired" and supported the hypothesis that reading difficulties of hearing impaired children are due syntactic deficit rather than inadequate word recognition or knowledge of word meanings, Difficulty indices demonstrate that passives were more difficult, followed by relatives, conjunctions and pronouns substitutions, indirects actives. Results were consistent with research on sentence comprehension in which word knowledge was not contrtolled. Brenza, Kriggs, and Lasky (1981) studied comprehension and production of basic semantic concepts by older hearing impaired children" and indicated that hearing impaired not develop age appropriate children did comprehension skills as they grow. They suggested that educational materials need to be modified to compensate for

the language deficits of hearing impaired children and considerations should be given to child's comprehension and production skills of concepts on key vocabulary items used in both academic and non-academic stream.

Wilbur and Fraser (1981) found in their study on "Deaf students comprehension of English Idioms" that comprehension of idioms were pased on the reading level of the subjects, Linguistic factors which may affect idiom difficulty. A studied by Shipley and McFurlane (1981) "Facilitating reading development with speech and language impaired children" and suggested the following points for facilitating reading development. They are:

- 1. Assisting children with the development of basic semantic, morphologic, syntactic and/or phonologic concepts.
- 2. Teaching redudency for both oral and written language.
- Ensuring apportunities for children to use short term memory to occur.
- 4. Assisting left to right progression and differentiation of graphic symbols
- 5. Utilizing auditory exercises as tangential, but not a major aspect of programme efforts.
- 6. Helping stimulates the motivation to read
- 7. Assisting the development of task attention.
- 8. Expedieting risk taking and speed.

Gormley's (1982) study on "The 1mportance familiarity in hearing impaired readers - Comprehension of text" showed that subjects recalled familiar paragraphs better than unfamiliar one and they rendered more actual text information and more non-explicit information in retell responses. Stingon (1983) studied hearing impaired Adults", and suggested that varying the text word can influence the easy difficult continuum, for eg: the instructional materials might require the listener to repeat the sentence with the emphasis placed on getting the lost word correct (i.e. text words). According to the findings of the study, sentences with specific words in the context would be easier than those with corresponding general words in the context. Wilbur and Goodhart (1983) studied, "Development of English in hearing impaired students". Results for will would, can could, may, might, should, have, to, and won't Comparison with DSS norms (Developmental presented. sentence structure) for hearing children (Lee 1976) showed that DSS predictions of order of difficulty are only 14.3% correct and this low percentage of predictions indicate that DSS Norms for normal children cannot be applied to deaf children.

Fristoe and Cochran (1984) studied, "Deaf students comprehension of written English Tourmure idioms". Comprehension of literal meaning and figurative meaning (FM) of ten written English Tourmure in deaf children age 9-10

years was investigated. Figurative meaning comprehension remained at a clinice level for all groups, although some 18 year olds indicated recognition idioms but not comprehension.

Nolen and Wilbur (1985) studied "Effects of context on comprehension of difficult sentences" and showed that a significant facilitative effect of context for relative clause sentences across reading levels. The author says that deaf children use contextual information while reading. By helping students learn contextual clues and previously acquired World knowledge along with syntactic information to obtain meaning from text, the teacher can foster a more efficient and productive reading strategy. Kemper's (1986) study on "Metalinguistic correlates of reading ability in second grade children" indicated that the ability to receive sentences may be associated with difficulties in initial reading ability. Lechner (1986) studied, "Recal! scores after completing reading "cloze" or letter prediction tasks". The results showed that all groups (good, average, poor) of students recalled significantly more in the reading condition (read, one paragraph, predicted every 5th word in a second paragraph and predicted redunmdant letters in third paragraph LaSasso and Davey (1987) studied "The relationship between the lexical knowledge and reading comprehension for pre lingually profoundly hearing impaired children". Results support the opntention that lexical knowledge is an

effective predictor of reading comprehension performance for hearing impaired. Implications are a causal relationship between vocabulary and reading comprehension could be examined in a training designed to show the effectiveness of vocabulary instruction in reading comprehension performance. The author suggested a specific type of vocabulary instruction that can be effective in improving students reading comprehension.

Paynee and Quigley (1987) studied "Hearing impaired children's comprehension of verbparticle combination" revealed that idiomatic meanings are more difficult than literal meaning. Subjects had the difficulty with syntactic patterns in which the particle is separated from the verb by a direct object. The easiest combinations appears to be one resembling a verb prepositional phrase sequence. The results suggests an order of difficulty for verb particle combinations among hearing impaired language learners. There is a need for teachers to clarify the ambiguity inherent in this grammatical structure. Dairymple Shulman (1987) showed in their study on "Deaf school" children's comprehension of figurative language" that there 18 significant difference in figurative language comprehension and a function of chronological age and type of figurative language structure. Pring and Snowling (1989) studied "The Automaticism of context in children's reading" showed that contrast to attentional context effects and (Pring and Snowling 1986) the older readers showed

significantly here influence from the semantic context than younger 1, as proficient readers. This study suggested that teaching of reading needs to bring about a balance between the use of the two systems. While a proficient decoder does not as a general rule, need to make deliberate use of context, it is essential that he or she has automatic access to semantic information. Children somet1mes described as 'hyperlexic' do not always read for meaning even though they can decode well (Healey 1982, Snowling and Frith 1986). It can be assumed that they have difficulty either with in the semantic system itself or else in establishing the links between the semantic and reading system which are postulated here. In contrast, children who rely too heavily on contextual cues may fail to develop an adequate decoding system; Wilbur, Good heart Futlera (1989) studied", comprehension of English modals by hearing impaired students". The poor performance of the hearing impaired students on the modal items in the study reportedly reinforced the argument that English syntax cannot be learned in isolation, divorced from pragmatic and semanctic features.

Dooaliby (1990) studied, "Adjunct questions in prose"

A question position by Reading" Ability interaction" "and revealed that pre-questions yielded the highest learning performance for low ability readers. Post questions resulted in significantly greater learning performance for high ability readers. This study demonstrated that

importance of adjunct question locations in conjunction with post-secondary deaf students reading ability. Findings suggests a proader relationship between the position of various adjunct and and the extent to which readers ability approximates or exceeds the difficulty level of the text. A more immediate pragmatic implication is that a readers learning of factual information might benefit from proadjunct questions when using challenging materials; however, post questions might be facilitative, when using materials which are of lower level of difficulty than reader's ability.

Rittenhouse (1990) study on "Figurative language reading comprehension in American deaf and hard of hearing Textual interaction "suggested children: figurativeness embedded in stories need not interfere reading comprehension in severaly hearing impaired children. The author suggests that teaching should focus attention on the teaching of figurative expression (trops) such as metaphor, similie, personification etc. rather than on the modification of textual materials. Gillian's (1992) study on "Print oue usage by pre-readers, beginning readers and experienced readers" showed that there is developmental progression towards reliance on graphophonic and pictorial cues. However these findings comflict with one tenent of whole language accounts of early literacy. Gallingham and Garne (1992) studied "Readers comprehension of Mazes embedded in expository texts. Results indicated that maze

available diagnostic tool; it is easy and quick to administer and it suggests different reading strategies, and specific reading skill levels (Multiple choice extension cloze is called maze). Eugene's study on "A longitudinal study of the development of comprehension of language structure " suggested that the importance of utilizing comprehension data in language development programe. says that it is importance not only to expose the child to the syntactic properties of these sentence types, but also to the semantic and pragmatic properties. Earlier acquistion of the full range of syntactic structures is to the understanding of multiple embedded necessary is particularly important to This sentences. reading process and bycomes essential as the child reaches the educational system. Hearing 10 continues to develop understanding of the language structure into the adolescent years. Though the nature of language development is similar for; hearing and hearing impaired children, the rate of development is significantly different. Language development program for hearing impaired should reflect these difernces both in nature and frequency of exposure and in expectations for the continued development of skill such as reading.

Above studies focused on the textual context, linguistic structure exposure to language, language acquisition skills and abilities of hearing impaired children in the use of figurative language, position of

adjusted questicus, understanding ideoms, material difficulty etc which play a vital role in facilitating understanding in reading. These studies indicate, exposure to language is important fo reading skill acquistion; linguistic ability, context, textual material, are need to be taken care of while developing reading comprehension.

2.1.2 School and home environment:

Some studies showed that reading skills and reading ability is affected by the school and home environment. A few studies in this respect are reviewed for getting some insights into this aspect.

Lane and Daker (1974) showed in the study entitled "Reading achievement of the deaf: Another look" that reading achievement is possible in deaf children if the deaf children have continuous education in the same school with emphasis at all levels of language development and oral communication in school and home. Bishop and Gregory (1985) studied "Book reading with mother and Teacher: Experiences of the yound child" and showed that interaction styles of mother and teacher are useful for children. They experience and interchange with conversation with their mothers and prolonged enriched dialogue with teachers. The author says that though these conversation styles offer different opportunities, both are valuable as learning experiences. Mothers might, however, learn from teachers style, some

means of enriching dialogue without sacrificing child interest and participation and conversely teachers might learn from mothers some ways of involving the child actively in the conversational process.

Jean and Masson (1986) studied "How do deaf learn about pre-reading". A three level pre-reading model based on deaf children's early attempts at learning about pre-reading is proposed on a 9 month longitudinal study. This model contends that reading can be initiated by giving deaf children opportunities to match their internalized manual language to printed words, the recommended procedures stress the use of joint reading related activitites involving parents, teachers, and peers. The class room experiments and parental inteviews provide evidence to support this pre-reading model. A developmental sequence is defined for deaf children based on the students emergent pre-reading behaviours. Suggestions were also given for teachers and parents interested in promoting pre-reading young deaf children.

Kempfe and Turecheck (1987) studied, "Reading achievement of prelingually deaf students and its relationship to parental method of communication: A review of literature indicated that deaf children of hearing impaired parents typically function at higher levels of reading achievement than deaf children of hearing parents, but incopolusive evidence is available regarding the

relationship between method of communication used with deaf children and their reading skills.

These studies high lighted that language development of hearing impaired children is affected by home and school experiences. By implication these studies also indicate that reading of hearing impaired would also be influenced by home and school environment as developing reading skills is one aspect of language learning.

2.1:3 Cognitive aspects related to reading comprehension:

Cognition is basic to any kind of learning. Learning reading skills is no exception. A few studies which high lights the place of congnition and its related aspects in developing reading skill is herewith reviewed.

LaSasso and Savvidas (1985 study on "Issues matching test taking strategies used by hearing impaired readers in the united states and Greece" showed that Greek speaking hearing impaired students, when permitted to refer to text while answering comprehension questions make extensive use of visual matching test taking strategies. The strategy appears to be the same as that described by LaSasso (1980) used by English speaking students in the united States. This strategy consists of locating a word (s) in the words from the text which match words in the question stem and responding by writing words from the text which are in physical proximity to the word (1) matching word (s) (2) in the question. The instructional implications are that

teachers of Greek speaking hearing impaired students—should be careful in determining that a correct response to a comprehension question reflects comprehension of the passage instead of visual matching. Further, teachers may wish—to paraphrase—in language of the questions to—prevent—visual matching. This holds good in the instruction of any hearing impaired population.

Berchin's (1985) study on Spontaneous comparative behaviour and categorization: The links between mediated and "reading comprehension". The results interaction indicated a positive treatment effect and indicate cognitive modifiability with the use of the mediated interaction for the cognitive form: The author suggested that academic learning might be enhanced in the future using this special interaction to remediate the cognitive deficiencies necessary for academic learning. Davey and LaSasso (1985) studied Relations of cognitive style to assessment of components of reading comprehension hearing impaired adolescents" and concluded of that cognitive styles of hearing impaired students appear interact with certain assessment components in comprehension. The author suggested that sensitivity to these salient individual differences should aid practioners, reserachers and test design specialist in their efforts to enhance the accurate measurement of the cognitive and linguistic competence of hearing impaired students.

Craiz and Gordon (1988) studied, "Specialized cognitive function and reading achievment in hearing impaired Adolescents". The results suggests that profoundly hearing impaired adolescents differ from their hearing peers in brain organization with a cognitive profile significantly skewed toward right hemesphere processing of the poor readers. This profile, in particular, appearars to be correlected with difficulties in reading comprehension; the performance of the better readers indicate that such a correlation is not inevitable. The author suggested that the instructional strategies need to be developed or adopted to make optimum use of the students but that, ordinarily, are not used in the verb sequential task of reading. Perhaps, instruction in sequencing, the cognitive strategies can, infact, aid poorer hearing impaired readers in making the transfer to the verbal short term memory requirements of reading.

Gibb's (1989) study on "Individual differences in cognitive skills related to reading ability in deaf" showed that deaf reader actually has much in common with the hearing reader. Both deaf and hearing readers have; high reading, also carry a strong awareness of what is going on in the text that there are reading. They recognize errors and contradictions, they look for high truth value. In short they are metacognitively sophisficated. It appears teaching metacognitive skills will be productive in developing reading skills. Knowing what one do not know.

knowing what one can understand, and being aware of coherent and incoherent texts, are all critical components of reading skill. Sharpening these skills would place the deaf readers in a much better position to explore successfully the world of the printed text.

Swisher (1991) studied 'Visual reception of sign language in young deaf children. Is perpheral vision functional for receiving linguistic information' and showed that deaf children have the perceptual and cognitive abilities necessary to identify signs peripherally and suggested that at a minimum peripherally seen signs had a potential for distration in the classroom because of their meaning for the students.

These studies on cognition show that enhancing cognitive abilities of deaf children would help in developing and improving their reading comprehension and reading ability.

2.1.4 Reading Processes:

Reading comprehension involves processing the text at various levels such as phonological, syntactic and semantic processing and also memory process for understanding a reading passage. In this section a few studies are reviewed which focus on these processes in deaf children.

Bernstein's (1979) study on "Another look at memory strategies in deaf signers indicated that word level stimuli may be translated in to signs during memory process. This parallels hearing readers conversation of written materials to auditory configuration. These findings suggested that native language skills may affect reading task.

Hanson and Fowler (1987) studied "Phonological coding in word reading. Evidence from hearing and deaf children" and indicated that access to phonological information is possible despite prelingually and profound hearing impairment. As such they run counter to the claim that deaf individuals are limited to the use of visual strategies in reading. Given the impovarished auditory experience of such readers, these results suggest that the use of phonological information need not be tied to the auditory modality.

Cooper and Arnold (1988) studied, "Hearing impairment and visual perceptual processes in reading". The hypothesis investigated was that reading retardation in hearing impaired children is in part to certain visual perceptual deficits known to be related to mechanical reading skills. It was found that the partially hearing school children showed deficit on all the visual tests of Frosting test, compared with the published norms for hearing children of the same age. It was suggested that this deficit in visual perceptual skills contributes to relatively poor level of reading attained by the partially hearing.

Rapala and Brandy (1990) showed in their study "Reading and short term memory "The role of phonological processing", that there was a strong relationship between efficiency of phonological processes and capacity of verbal memory, supporting the hypothesis that reducing phonological processing requirements in verbal short term memory increases available resources for storage. relationship was found between phonological processing and non-verbal memory. This conclusion was supported by two findings. (1) The verbal short term memory deficit in poor readers significantly correspond with less phonological processing and (2) developmental increase in verbal short term memory accompanied by more accurate and rapid extension of phonological tasks.

Stothard and Hulme (1992) studied, "Reading comprehen-sion difficulties in children- The role of first language comprehension and working memory skills" and indicated that the observed comprehension difficulties are not restricted to reading. Working memory processes are not a major causal factor in the creation of comprehension difficulties identified in the present group of poor comprehenders.

Watson's (1992) study on "Audiroty perception, phonological processing and reading "ability\disability" examined relationship among auditory percelption, non-verbal temporal processing and speech perception, the major phonological processes involved in reading (short and long

term auditory memory, linguistic retrieval, and phoneme segmentation) and reading. Strong and significant relationships were confirmed between speech perception, and all the phonological variables except retrieval.

Kelly (1993) studied, "reading English function words and inflections by skilled English and average deaf readers". The results suggested that development of skilled processing of English grammatial conventions is an important instructional goal for children who are deaf as contributions of mastery of English conventions to reading competence cannot be dismissed regardless of how difficult they are for deaf children to acquire.

2.1.5 . Oral Language:

There are a few studies which showed oral language acquisition also facilitate developing comprehension and reading skill, A few studies which enlighten on these aspects are reviewed in this section.

Effects of task type and context on comprehension and usage of prepositions was a study undertaken by Stick and Nelson (1976) who revealed that comprehension was found to precede expression regardless of always context and indicated the need for developing oral language for developing comprehension skills. Definite directions for language intervention was indicated.

Permen's (1978) study on "Reading attainment in hearing impaired children. A comparison of lower and higher

achievers" revealed that oral language use was an important skill related to attainment in reading. The author also observed that differences in nature of early language experiences of children in the K.G.School were said to be partly responsible for the disparity in children's oral language ability and the differences in their later ability to read. The author says that the foundation of language at an early age might have given them motivation to explore the World and actively participate through books.

Maizono and Azuma (1985) studied, "The development Reading abilities in hard of hearing children attending regular primary schools". This study revealed that the correlation between rapid reading and reading ability was higher than the others. Abilities to read short story rapidly and abilities that understand sentence and guess contents of the following sentence rapidly are the abilities similar to the abilities to understand the contents of running speech rapidly and guess about the relative situations or next topics. In actual life, pupils in higher reading ability had communication ability through speech and could make fluent conversation with any one any situation; on the other hand, pupils in the reading ability did not have enough comprehension ability in communication and could not make smooth conversation with same persons in some situations. From these results the author suggested that to train the pupils auditory ability fully and bring up the abilities of understanding

expressions through speech in lower grades lead to the development of the reading ability in the upper grades.

Robertson and Flexer (1993) studied "Reading development: A parent survey of children with hearing impaircment who developed speech and language through the auditory verbal method". In this study parents of children taught through the auditory verbal approach were surveyed concerning their children's reading development. These children scored at the 50th percentile or higher on reading tests normed on hearing children. For these children hearing loss is not proving to be academic handicap. These authors suggest that residing also provides an articulation feed back systems.

The above studies show that oral language learning facilitates reading skill and reading comprehension in deaf children.

2.1.6 Intervention Programmes:

Intervention programmes are crucial for developing language skills in deaf children. A few studies which show certain intervention programmes helpful to develop reading ability are reviewed in this section.

The study of Roth and Kennedy (1988) on "Effects of intervention on acquisition of language comprehension strategies in children" indicated that intervension helped to improve acquistion of language comprehension strategies.

Serwatka, lasson and Graham (1989) indicated in their study on "The effect of an indirect intervension system on reading achievemnt scores of hearing impaired adolescents "that hearing impaired children's reading achievement gain can be made by hearing impaired adolescents, even if they are labeled as poor readers. That means acceptance of the inevitable plataeu does not seem to be necessary. This study revealed that inevitable plataeu for hearing impaired need not exists, intervention programmes do help to develop their reading ability.

The above studies show that text, language, school and home environment, cognitive aspects, memory and phonological processes, oral language acquisiton, and intervention programmes are all influencing factors in the development of reading comprehension and reading skills in hearing impaired children.

2.2. Teaching Reading:

Children may have potential abilities but the optiumum benefit of these potential abilities will be realized only when these potential abilities are stimulated with appropriate opportunities at the right time, and drawn out with appropriate methods and materials. This is what teaching should do in a classroom situation. Reading is no exception. Children may have potential ability for reading. University taught to develop this ability, children may not reap its fullest benefit in their life

time. Teaching can be affected by the type of material, method or approach to teaching, training procedures and use some programmes. some studies in these aspects are οſ reviewed in this section to sensitize one's thinking ın this respect. Totally 43 studies were reviewed in this section. Five studies refer to relationship of teaching materials, 20 studies highlight various methods and strategies undertaken for developing reading ability, six studies focus on various approaches to teaching reading, five studies showed some of the training programmes, studies show some of the reading programmes developed for teaching reading. However these studies are not exhaustive. Only a sample was taken for better understanding of study in question.

2.2.1. Materials:

Materials are basis for developing skills. Different materials require different reading abilities. If understanding is developed in selections of the material for developing reading skills, students would acquire necessary skills without much difficulty. Hence in this section a few studies focussing on the aspects of materials such as place of questions, visual cues, idioms, reading material were reviewed.

Peters and Peters (1974) studied, "Better reading materials for the content areas. Self evaluation of practices in teaching". The author says that dependence on

any one text as the sole source of reading material \mathbf{a} class or stadent is a poor teaching strategy. The author series of questions to evaluate the current activity of their choice and use written classroom materials. They are (1) Have you determined the levels of each student by using an informal reading inventory or a teacher made battery using classroom materials (1973 p. 376-77). The author believes that standardized instruments are not valid assessments instructional reading level. (2) Do you provide individual differences among students by offering a variety οf materials and activities and by reassessing expectations (3) Are you text book bound? or making a course outline and then finding the books or chapters to supplement the content. The teacher selected materials appears to advantageous than following a text book chapter by chapter. Do you periodically evaluate your students' progress, use these evaluations to determine a students language reading needs and redirect teaching efforts to accommodate This is very different from giving a chapter test, and continuing with the subsequent chapter regardless of the students obvious difficulties (5). Do your materials modifications of them provide each student with meaningful learning experiences? (6) Are parents of your students aware of the content as well as the language and\or vocabulary they can be reinforcing at home?

Crowell and HuperAnn (1981) studied "A scale questions to guide comprehension instruction". The levels used in this study are (1) Association questions at lowest level of comprehension are designed to elicit from the child any detail of the story that she can recall. At this level the question asked was "What was this story about. A child was considered to have answered correctly if he\she provided any information from the story catagorization questions at level-2 requires the child to make simple categorization. The child will be asked to classify a story chapter in a stereo-type manner, tell why classified the character as he did for eg; Did you like Anne Marie? why? why not. The child has to use information from the story to justify his response. (3) Seriation questions at this level deal with the interelationships among details, such as cause and effect or the sequence of events. The child will be asked "What happened first? what happened next? and then what? A complete summary of the major events in the correct order. (4) Integration questions at level - 4 requires the child to combine the various elements of the story into a coherent structure not necessarily given bу the story itself. The child may summarize the story ог give main idea. The question was, 'what was the problem in this story? followed by a parallel question related to the specific story such as what problems did Nine have?' Ιſ child has to respond correctly the child has to make interpretations, and support them with sound reasons (5)

Extention: At the highest level of the scale, the questions are intended to reveal whether the child can apply her understanding of the story beyond the confines of immediate story structure. Such questions may call for the child to relate to the story to other stories of events, to change her ideas on the basis of new information or to her ideas but with the content of the story as a starting Specifically, the question asked would be "Tell" point. another way this story could have ended. "A response can be judged correct if the child supplied a plausible alternate ending which draw upon story information in a reasonable manner, but was clearly different from the actual ending. Results of this study indicated that teaching with the scale questions can help the teacher group children. οſ In instruction the teacher can use the scale for guidance in asking questions about the story. She/he can especially to develop a child's skill at the next level the scale. The authors think that the scale of questions may be particularly useful, should be encouraged to use develop their comprehension skills at a variety of cognitive from a very early age. In reading lessons that levels part of a curriculum growing from the scale, the teacher may also ask questions at all levels appropriate to the story content. In this way, the children would develop skill dealing with questions at levels beyond their present competence. Another useful procedure is to encourage the children to think about what they read in terms of the five questions. The scale then becomes a kind of internal

checklist that a child learing to apply automatically to each new passage. She/he reads, although she/he should, ofcourse acquire other approaches as well. The child gains confidence while reading because she/he has a strategy for thinking about new information.

Fruchter, Wilbur and Fraser (1984) studied, 'Comprehension of idioms by hearing impaired students and suggested that it may be possible to teach hearing impaired students idiomatic expressions at an earlier age than currently assumed, and that the methods for doing so may be similar to those used for teaching individual vocabulary items. Innovative techniques will be needed to determine how idioms are learned as well as which idioms or idiom types are learned. In this study the author tested the subjects with literal and figurative meaning picturization.

Bunce, Ryder and Rudger (1985) studied," using the miniature linguistic system in teaching syntax. Two case studies". Two language delayed children received comprehension instruction on preposition object phrases using a miniature linguistic spoken format to structure generalization. Results indicated that generalizations were made not only to untreated two word combinations but also to production of two and four word phrases. In addition there was some generalization of production of two and four word structures.

Matching reading skills to reading materials. In this study the author says that the text books can be assessed for matching the reading ability of the class using cloze procedure. The system outlined is a useful means of testing the temperature of understanding and goes on insight into the interaction between readers and texts and throws some light on the extent to which the formar understands the latter.

These studies suggest that use of questions scale, assessing students reading levels, and level of reading materials, innovative techniques and assessing materials through cloze procedure are helpful steps in developing reading ability in hearing impaired children.

2.2.2. Methods/Strategies:

Methods/Strategies are heart of any teaching procedure which makes one's effort to teach successfully or not. Methods/Strategies may vary according to individuals, subjects or even situation. Hence no one can assume any single method/strategy would be useful at all times, or for all people or even for all subjects. The more and more number of methods and strategies one is aware of, deeper and better would be one's understanding and insights. Hence it is crucial to review atleast a few studies related to this aspect for proper planning and execution of the study. In this section 20 studies were reviewed, 10 studies speak

about various methods, ten studies show a few strategies for teaching.

2.2.2.1. Methods of teaching reading:

Bryans's (1979) study on "Breaking the sentence barrier language and Reading instruction" described how hearing impaired children may be taught in the context to question a reading passage. The study concludes that the low onlevels of reading achievement poor writing skills privalent among deaf children suggest that sentence centered language teaching does not automatically lead to proficiency with connected prose. Repeated presentation of : written passage with exercises designed to facilitate their comprehension, as well as illustration of the differences between reading and writing are suggested as possible means for teaching some of the skills and strategies which underlie the unaided comprehension of connected texts. Although the exercises described here were primarily envisaged as classroom activities in schools for the deaf, they might be usefully incorporated into the supplementary language teaching to hearing impaired children integrated into regualr classroom.

Schoenfeld (1980) studied, "Instructional uses of the cloze procedure" and feels that cloze is an effective technique for the instruction of specific reading skills, in addition to its more popular function as a test of rate and comprehension, Using a model of cognitive stage development

which progresses from concrete to abstract tasks the concept of closure can be introduced through nonverted, amountative materials. The concept should then be practised through oral recitation before it is presented in print form. The adaptation of print materials require careful structuring in the close procedure format; Instructional objectives need to be specifically defined and deleted words should directly reflect the reading skill to be learned. The type of clues to be provided if any, will depend upon the kind of support needed. The successful implementation of close exercises requires the students processing of syntactic and semantic clues simulataneously. Mastery of these processing skills provide the students with a powerful tool that can be used in any reading situation.

Mothner's (1980) study on, "Promoting independent study skills for the mainstreamed hearing impaired students" suggested the following steps to complete and assignment (1) The student should read the directions. (2) Ask themselves crucial questions (3) learn key words (4) Identify the study material and locate them (5) Read that table of content to locate the sections and chapters (6) read information quickly and briefly (7) follow SQJE method-survey, question, read, recite and review (8) finally prepare the assignment.

Pressley, Levin and Miller (1981) studied. How does the key word mothod effect vocabulary comprehension and usage. The key word method of vocubulary learning involves

which progress a from concrete to abstract tasks the concept of closure can be introduced through nonverbal, manipulative materials. The concept should then be practised through oral recitation before it is presented in print form. The adaptation of print materials require careful structuring in the cloze procedure format; Instructional objectives need to be specifically defined and deleted words should directly reflect the reading skill to be learned. The type of clues to be provided if any, will depend upon the kind of support needed. The successful implementation of cloze exercises requires the students processing of syntactic and semantic clues simulataneously. Mastery of these processing skills provide the students with a powerful tool that can be used in any reading situation.

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Pressley, Levin and Miller (1981) studied, How does the key word mothod effect vocabulary comprehension and usage". The key word method of vocubulary learning involves

forming a limitage between to be learned vocabulary word and a familar Engrish word that sounds like a part of the to be learned item of the key word. Then the learner form an interactive image between the key word and definition referents. In the provious research, the key word method has been found to facilitate students' recall of definitions, given vocabulary terms. In this study use of the method was also shown to increase comprehension of English in context, as well as usage of that vacabulary in a noval context,

Blatt (1982) studied "Teletext: a new television service for Home information and captioning". The author says that new television technology is finally realizing the long awaited good goal of a home information system. particular, one new service called Teletext promises to deliver a wide range of news, lisitings, engagements other national and local information, because it is encoded in the television signal and transmitted continuously. Teletext can be displayed whenever the viewer chooses". Hearing impaired people may derive special benefits from this system through reading access to information presented in text and graphic form. Teletext also offers advantage a program captioning system. European experience as demonstrates that teletext is technically feasible while market tests currently under way will guage consumer reaction. The design of the technology itself suggests that hearing impaired people can take advantage of teletext

on the same basis as fully, cheaply and immediately as the general population. "Literature on tape and hearing impaired listening while reading with Winnie the pooh and candide (1983)" is study in which listening while reading was shown as a convenient way for hearing impaired individuals to expand vocabulary and to improve speech and listening skills while enjoying literature. Educators, parents and hearing impaired themselves should explore the use of this method as an aid in the education and auditory training of the hearing impaired.

Lees and Chapmen (1982) studied "CATCHUP: A Computer mediated reading and language development scheme for children with language difficulties". The scheme seems ideal for use with children having English language problems with little if any general intellectual handicap. The scheme was tried with non-handicapped children for whom English is not a first language. Results were promising. Similar scheme has the potential for introduction into primary and secondary remedial departments and also for hearing handicap.

Grave and Rodde (1984) studied, "Receptive communication skills: comparison of four methods of communication". This study showed that the most efficient method of communication was found to be reading followed by total communication and manual communication or al methods were clearly least effective. The overall superiority of reading is further enhanced when the rate of information;

generated significant effects. Age and type of massage also generated significant effects. Analysis of communication time suggests that the relative weakness of the oral technique. Results both from low signal noise ratio and short term memory (STM) overall load, combining the oral and manual systems seems to create a more robust STM trace.

koskiman, Wilson and Jenseme (1986) studied "Using closed captioned television in the teaching of reading to deaf students". The data indicated improvement in sight vocabulary, retention, student motivation and reading comprehension. Teachers indicated overall student satisfaction with the use of closed captioned television compared to regular reading instruction.

Yurkooski and Ewoldt (1986) studied, "A case for semantic processing of the deaf readers," This is a case of one proficient deaf student reading two versions of the same story. One systematic more complex than the other provides support for the notion that a strong base enables processing at the syntactic as well as semantic level. The author says that exposure to pattern is not sufficient in and of itself. Teachers must supplement the child's acquisition of written language with appropriate intervention. Semantics can serve as a bridge for the readers in dealing with difficult syntax. Semantic processing depends on clear well written text and adequate back ground experiences field trips, use of media, role playing etc. One's experiences during reading often effect and enrich one's later experiences

(Whiten 1980). The use of reading to build background and experience is an instructional practice well described for deaf readers. Using syntactically simpler materials as semantic building blocks can equip a deaf reader with the tools to approach a syntactically complex story.

Norris (1989) studied "Providing language remediation in the classroom. An integrated language to reading intervention method". The author says that techniques such as communicative reading strategies are advantageous because they enable language intervention to be provided with in the classroom resulting in benefits to the child, the classroom teacher and the speech language pathologist.

McDonald (1991) studied, "Teaching matacognitive reading comprehension techniques to Gallaudet University freshmen". This course is designed around the assumption that reading is not so much a process of decoding a text as it is a process of constructing meaning by drawing together the readers relevant prior knowledge, the cues of the text, and its context prodicting, questioning, summarizing and explaining are practiced with in the context of two over acting class activities. The multiple reading strategy and conceptual mapping or graphing, usually instructor led activities. "The primary activity of respondent in the paired work is cognition (the process of; constructing meaning) the primary activity of the monitor is meta cognition (assessing process, recognizing the breakdown in comprehension, and knowing enough about the reading process

to choose alternate techniques when comprehension fails. The intention of repeated practice is that students will internalize the activity, and be able to apply it to their own reading both in and outside this course. Instruction find this a stimulating course to teach. They see states. taking a much active role in learning them in course where cooperation is not encouraged. They also feel that that dialogue and collaboration with other instructions enriching, and sustaining. As more and more instructions the opportunity to practice meta cognitive have comprehension techniques, it seems appropriate for technique to be tapped in other studies across 9 34 4 discipline. Such continuity would give students a greater sense of the disciplines and would offer opportunities for faculty members to strengthen links of colleagues ability. Teaching this course has involved learning a new part was teaching behaviours and to support each other in this process. Instructors meet for atleast one hour n week, to discuss methodology practice, the techniques off real tax students, share materials and develop tests,

2.2.2.2. Strategies for developing reading:

Frankmen & Henna (1976) studied, "Methods of training Deaf children to comprehend passive voice". At age 18, many deaf students have not mastered the passive voice. This research developed programmed training materials to training deaf students this language structure. Two training

strategies were combined factorially with two orders of training. One strategy presented only passive sentences, the other also included active sentences: order of training refers to the sequencing. From reversible and truncated passaive. Data were obtained from 120 deaf students. Significant learning and retention were demonstrated.

Hansen, (1981) studied, "The inferential comprehension strategy for use with primary grade children". Using a prereading strategy of this type helps students comprehend their stories as thoroughly as possible. It takes some teacher preparation time, but you will soon become adept in selecting some ideas from a story that may cause students difficulty. Also it quickly become apparent which type of personal experiences are related to the concepts. After a few stories, you will be able to jotdown some important ideas and the two corresponding questions for each in very little time. An entire reading period for introducing a story is more than most of us normally set aside for this purpose. However teaching comprehension is important that we can justify the extra time. children enjoy the introduction, the processes of relating, Personal experiences and predicting, stimulate interest in the story.

Noble (1981) studied, "Selection: A remedial strategy for readers with a limited reading vocabulary. The results of this small scale study suggests that disabled readers are more to learn. Self seletion is a motivational strategy that for many students can help them increase their reading

vocabulary. Buttiglia, Scoutun and Hand (1982) study on "A teaching strategy for writting intelligible laboratory reports has been found successful at the post secondary level. It provides the students with a way to bridge the gaps in their reading and writing in order to perform very technical and sophisticated laboratory work. It provides them with a key for unlocking some of the scientific usage that may be closed to them. Ultimately, it may help technical students to feel more secure in their chosen areas of scientific endeavour.

LaSasso '(1984) studied, "A modelling strategy for improving hearing impaired students' Comprehension and use question form' This programme improved students' 10 Comprehension, and use of question form'. The following lines are suggested (1) Students will be guide more motivated to participate if they know what is in the box something that they would like to have, cones of soda, candy bars, and age appropriate magazines are good selections for the first few times. The mystery box is used on to (2) Praise students who try to use questions they have seen modelled even if the language used is not perfect. Students who modify questions that have been modelled should also bе praised. Further more, all questions should be accepted as good ones, participation is valued and appreciated. (3) Write questions and answers on a transparency for all to see. This technique helps reinforce the printed form of the questions and helps children remember which questions have

already been asked. (4) Keep record of the question forms used by the various students; parents and teachers should reinforce new questions by using them in conversations. (5) Have other hearing impaired students with good questioning skill join the groups to model good questions. If there no adult available, care should be taken to select children who are mature and sensitive to the feelings of children. (6) Remember that this activity must successful. Accordingly an unthreatening game like atmosphere must be established and maintained. The strategy need not be limited to order language handicapped students. It has been effective with students ranging in age from 4 years old to adults. Not only can it be a very enjoyable activity but it can also provide excellent practice in applying questioning and hypothesis testing skills which are integral to effective learning.

Mohr, Glover and Ronning (1984) studied, 'The effect of related and unrelated details on the recall of major ideas in prose'. The results suggested that the number of related and unrelated details had an effect on the recall of major ideas similar to that seen in experiment I, experiment 3 was constructed that readers were required to carefully process unrelated details in a categorization test. The results supported that recall is determined by the number of related and unrelated details and if directions were given to readers that required them to process unrelated details would influence recall.

Raynolds, Hussein and Richards (1990) in their study on "Strategies for mixed ability teaching with in English said that (1) The use of the staff's own philosophy and practice as a starting point (2) the use of information from in-class observation of both students and teaching approaches as basis for offering practical suggestions (3) The staff commitment to mixed ability teaching and equality oг opportunity are factors that contribute to the success οſ mixed ability teaching. They are (1) Read it \tape ιt at a rate the pupils can follow (2) Discuss what has\already Who the characters are (3) Suggest two or three questions as advance organizer before reading the text (4) Pre teach \ introduce any potentially difficult words Explain problems (6) Encourage reading for meaning, (5) sentences need to make sense (7) Need to reread whole sentences after a hesitation\miscue in order to gain meaning from the context (8) If directed towards a sentence passage that holds relevant information, read the previous sentences out so that context is set (9) Note words that were not attempted or difficult for the pupils and them at the end of the passage, Draw attention to particular structure where relevant (10) give pupils opportunities for re-reading on tape so that confidence is gained by hearing themselves read more fluently (11) Some pupils may wish to read them gain meaning (12) Needs to gain fluency confidence on less demanding material (13) Progress direct questions initially where information can be found in the text.

"LaSasso (1990) studied "Developing the ability of hearing impaired students to comprehened and Generate question forms". The study discussed the diagnosis and development of students ability to understand questions and suggested strategies for these purposes. Journal writing, time, matching type were suggested. This wait indicated that teachers must commit themselves to details, systematic instruction in comprehension and production of the various question form, and teachers should assume responsbility for ensuring that parents understand the importance of being able to comprehend and generate the various question forms. In addition, teachers should be sure, parents undertand that they can help at home by exposing their children to multiple question forms (and the appropriate responses, if necessary). Finally, teachers should communicate with question forms and they should reinforce parents in what they are doing at home. Parents and teachers working together can make a significant difference in this important area for hearing impaired children.

Wizer (1985) studied, "Encouraging reading through an enactive method. Strategies for hearing impaired children". This study suggests that enactive approach is flexible, directly related to recent experience, stimulates language development, encourages creating, focus on pragmatic and communicative function, allows flexibility in grouping, useful with a wide age range, it is one part of the total

language curricular, it can be vital component of integrated programming, allows cultural diagnasis and evaluation and it is a fun.

These methods and strategies indicate that effective planning, proper stimulation, effective implementation of good methods and strategies can draw out the potential of hearing impaired children and it is possible to develop reading skill in hearing impaired if appropriate methods & strategies are used in the appropriate contexts.

2.2.3 Approaches to Reading:

Approach refers to a philosophy or principles on which to base any method or strategies. Same problem may be approached in different ways and solution obtained. Based on the approach, procedures may differ. This approach provide us the basic insight into the ways and means of tackling the problem. Approaches are important in academic achievement in the sense they are foundations for methods to be adopted. Hence in this section a few studies were reviewed to understand various approaches to reading instruction.

Stauffer (1979) studied, "The language experience approach to reading instruction for deaf and hearing impaired children". The author says that working with dictated stories help hearing impaired children improve their ability to communicate. Obviously inability to use phonics and modality of sound does not prevent deaf children from learning to communicate through written language. This

appears to be especially true when instruction is based on meaningful communication through learner generated intentions and expectations.

Schanagal (1980) studied "Experiences and an approach to teaching reading to hearing impaired children". Language necessary pre-requisite to reading and therefore 18 teachers of hearing impaired children must be aware of the language yaed in reading texts. In order for hearing impaired children to succeed in reading a very close connection between their experience and the language of a reading assignment must be established by the teacher. One a teacher to begin to meet a hearing-impaired way for child's inability in language comprehension is to make a "reading text analysis; once a Reader is analysed by the teacher, she or he can bombared the children, experiences appropriate to the concepts in the reading story. During these experiences, the language appropriate to the story should be used and recorded on an experience chart so that the children will eventually have to read. Primary variables which must be considered are different reading series used and varying language backgrounds and hearing levels children with hearing impairements. The criteria this author used for selecting language from an analysis included (1) The difficulty of the language for a particular group of children and (2) The number of times the pattern appeared through out the book.

Erickson (1987) studied "Deaf readers reading beyond literal". The author advocates a colloborative externally guided thinking approach to instruction that helps deaf literal readers learn to read at the evaluatie level. A colloborative externally guided thinking approach used a teaching mode which initially guides deaf readers through the reading\thinking processes as they construct explicit and implicit meaning from the print. In this way, the deaf readers, come to associate interpretive reading with "Extended guided thinking". This colloborative approach also capitalizes on the actual course of cognitive development, which proceed not in rigidly defined steps or stages but in a spiral continuum that passes through the same point or skill at each new revolutions while advancing to higher levels of cognitive development (Vygotsky 1978, p. 56). The author believes that many of the linguistic difficulties, faced by deaf literal readers reading beyond the surface structure of the text are minimized by the teacher or capable peers who use deaf readers - A bimodel interligual format of instruction accentuates deaf readers awareness of meaning used by writers. To facilitate textual understanding, the evaluative, inferential reading comprehension act, among other things, is a culturally loaded, linguistic, metacognitive response to the printed word. The author advocates that deaf, at all levels, of reading instruction be exposed to advance comprehension tasks commensurate with the maturity of their thinking

abilities. Inferential and critical reading should be taught as natural externally guided thinking approach, the deeper meaning getting aspects of advanced reading thinking can be emphasized as we teach word analysis vocabulary, synax and metacognition.

Johnson and Roberson (1988) studied, "The language experience approach. Its use with young hearing impaired students". Language experience has proved to be an effective approach to reading for young children. This study reveals that the language experience approach encouraged growth in vocabulary and writing skill as well as in self confidence and self esteem with kindergarden and first grade hearing impaired students.

Hammermeister and Israelite (1988) studied, "reading instruction for the hearing impaired. An integrated language Arts approach", the Mount Gravatt approach supports Hallidays' (1973) contention that children learn spoken language as they use language functionally. It provides more structure than used in many schools and classes for the deaf. In addition, it bases language and reading instruction on words and word sequences that young children commonly with a particular emphasis on function words rather than content words. If hearing impaired children learn written language through the realistic procedures outlined in the Mount Gravatt approach, their respective reading skills will develop more effectively than if they аге presented with traditional materials unrelated to real

language usage. Young readers must gain sufficient satisfaction in reading in the short terms that will lead to competence and satisfaction for life time. Only through the integration of listening, communicating, writing and reading can hearing impaired children develop reading skills. This test can be used exclusively for hearing impaired children. The Mount Gravatt approach is recommended to the teacher of hearing impaired as a theoretical basis and a process for creating an effective reading program. With this view point, the Mount Gravatt approach can serve as one vital component in a total language arts program.

Dry and Evaric (1988) studied "Can Johnny have time to Read? This study says that one realistic means of exploring and preserving the positive impact of intensified free reading in the classroom may be to alternate between structural and holistic approach. Adaptation of a sustained silent reading (SSR) approach is an alternative to the strict structure bound model. Some ways of introducing reading time are (1) Alternate between months of traditional and sustained reading (2) Distinguish between browsing time and reading time (3) As students become involved in reading, have them tell you individually what they are reading (4) allow students time to find their own levels (5) Have students keep a simple record of reading (6) State broad reading goals openly.

In the above studies two studies support language experience approach, one advocate experience approach,

another study on extenally guided thinking approach and one study focus on an integrated language arts approach, and the last one places emphasis on alternating between structural and holistic approach to develop reading skills. In all these things experience and meaningfulness of the sentence are key concepts for developing once approach to reading instruction.

2.2.4 Training in Reading:

Training is essential for developing any skill and it can not be dispensed with for reading as training gives practice and practice improves one's skill acquisition. Therefore to understand ways and means of giving practice, training programmes for developing reading were reviewed.

Jones and Gallois (1978) studied 'Effects of training with total communication or cued speech on language comprehension in hearing impaired children. "This study suggested that oral method aided by a partial manual supplement, the total communication method leads to better performance by hearing impaired children on language comprehension task

Hansen (1980) studied, "The effects of inference training and practice on young children's reading comprehension" Two experimental methods intend to improve inferential reading comprehension methods were investigated with second grade children. One method focussed on a prereading strategy in which children utilized previous

experiences to predict events in the up coming story. The second method provided practice in answering questions which inferences between text and prior knowledge. instruction was applied to ten basal reading stories. Four dependent measures compared the comprehension ability of the two experimental groups and a control group as comprehension instructional stories. following the questions performance of the children in both experimental groups group children's. control surpassed that οſ the Standardized test scores and scores experimental on an groups, especially the group receiving practice in answering questions. A free recall measure produced no difference among any groups.

and Mann (1984) studied, A Technique for assessment and training of comprehension monitoring skills". More skilled and less skilled upper-elementary readers college graduates played reading games in which they tried to determine if prose statements were internally consistent inconsistent, The elementary students were assigned either to control conditions in which they played and post test variants of the reading games in an effort to improve their comprehension monitoring skills. Ability comparison indicated significant group increase ın monitoring proficiency. However, the training advantage was limited to an improvement in the ability to identify consistent statements. Several thing the students develop monitoring skil

need to be shown how to cross reference a confusing sentence. With other sentences to determine if the difficult sentence has been correctly interpreted. Students would also be given concrete feed back by showing them the inconsistent sentences when they failed to label a contradictory statement or say inconsistent simply. But future efforts might more profitably rely upon more direct instructional approach.

Training on a deaf child's semantic and pragmatic production, showed that there was evidence to sugges self instruction was immediately effective on pragmatic behaviours, but such behaviours were reduced when another person administered treatment. In contrast, self instruction training has a gradual influence on semantic behaviours and those effects were maintained when treatment included a different person and setting. Implications of the clinical study were that the effects of self-instructional training may be useful tool for improving some deaf children's communication skills.

These studies showed that specialized training with total communication training question answering, comprehension monitoring skills, and self instruction training with semantic and pragmatic production found to be effective in teaching reading.

2.2.5 Reading Programmes :

A few studies were also reviewed to understand on going programs for developing reading in order to acquire insights into program development and program implementations.

Kennedy (1978) studied, "Effects of intervention on acquistion of language comprehensioon strategies in children "(Normal children)". The results showed highly significant main effects of testing period and training period indicating that intervention was effective confirming the major hypothesis.

Brown (1979) studied "Beginning Reading instruction with hearing impaired children". This study describes two experiments of beginning reading instruction with severaly to profoundly hearing impaired children. Study one was intended to determine a minimum language level prerequiste for beginning reading with hearing impaired children. showed that the children were reading with a language level below that generally considered a prerequisite for begining reading. Study two, an experiment in introducing beginning reading program showed that an adopted form of a commercially available beginning reading program could successfully used for beginning reading with impaired children. The overall conclusion that numerical soores of language level cannot be the sole determinant for implementation of a beginning reading programme.

Store (1981) studied "Reading and cognitive development". One of the objectives of any reading is to teach critical thinking skills, study skills comprehension strategies etc. They are part of Tucker-Maxvis program, too but with a difference. These skills are viewed as being relevant to the total curriculum and the total Therefore their inclusion in the reading program is viewed as a means to develop cognitive skills which are applied to reading process. The skill of classifying analysing, predicting, observing, summerizing etc., are used not only to arrive at comprehension, but also to develop those skills peculiar to the reading task, because, the skills have been utilized since the beginning, their application comes quite naturally. When children became high several grade or low third grade readers, they are introduced to a standard reading series. However, the language experience is always maintained to same degree as Piaget say that language does not constitute the source of logic, but it is, on the contrary structured by it (1969. p.90). With these words, Jeans Piaget makes clear the relationship between thinking and language develoment Building on this idea and the work of several reading. others, the staff at Tukker - Mexon oral school in portland, Oregan, has developed a thinking skill oral language reading continuum.

Maxwell (1986) described a reading program in the article. Beginning Reading and Deaf children: This reading

programme is appropriate for the average deaf child without age level language abilities. It has a top-down element that makes use of telling stories and reading aloud and creating parratives from the child's experience with classmates, routines with picture books, functional literacy, and environmental print. It also has a bottom up component that deals with letter identification print concepts, letter sequences (spelling), and word recognition and the mode of communication. The program is designed to foster independence in the child.

Bannister (1985) studied "Home\School reading scheme for pupils in the primary unit for hearing impaired. "This scheme found to be successful and they recommended this to children of hearing impaired. This was based on the "Bal field reading project "which showed that (1) Properly organized parental help can lead to enhanced reading performance in children (2) it showed that parents are willing and able to help their children with reading at home (Maringary), Reading project by Weiss and Tizard (1980) indicated that critical factor in a child's early reading develoment is whether or not a child is regularly hear to read at home,

Moog and Geers (1985) studied, "Epic: A program to accelerate academic progress in profoundly hearing-impaired children "An experimental project in instructional concentration (ERIC) was undertaken in an attempt to develop an ideal educational programme. The purpose of the proposed

project was to determine the degree to which intensive and systematic instruction might accelerate the acquisition reading language and speech production skills for a group of hearing impaired children. This programme profoundly demonstrated a significantly accelerated rate of progress. The feature of Educational primary a.n Program Instructional concentration (EPIC) are currently being implemented in the CID school of more than 100 children. These include organizing children into homogeneous instructional groups of optimum size for each subject (b) flexible scheduling that allows for easy grouping and regrouping of children (c) hierarchy of skills each subject area that are to be taught sequentially until mastered (d) a team teaching approach to is staff organization,

Bannıckson (1985) studied "a functional language programme that works. A pilot study" This experimental intensive reading programme involving six students age 10 to 12 produced dramatic language improvement. The author says that the standard learning model provides important elements language acquisiton process for hearing the students as well as for normal hearing peers. The hearing students should be seen as a beginning language impaired learner regardless of their age. An environment conducive to language acquisition is necessary. This will at times, mean delaying fact giving until the student has sufficient time in the special language learning environment

to develop a solid, automatic language base. Further language study as well as the learning of content area will be significantly improved and accelerated if students can be assisted in developing this firm base first.

These programs high lighted the role of parents, grouping, systematic organization, and experiences especially language experinces are crucial for developing effective reading programmes for normal as well as hearing impaired children.

that teaching reading to children cannot be generalized. It should be situation learner and content specific. The teacher should have the novelty to adopt the means and ways of teaching reading according to the clientale in question. This is particularly important for hearing impaired students as their level of understanding language differ for various reasons such as degree of hearing loss, level of their reading, extent of exposure to language, communication method followed, need for learning opportunities to develop reading skills etc.

2.3. Assessment and Evaluation:

Assessment and evaluation are essential features of any academic progress. While assessment shows the level of performance, evaluation interprets the performance in terms of one's abilities or drawbacks. In this section studies reviewed which focus on these aspects to enlighten on

practices and possibilities of assessment and evaluation procedures adopted for hearing impaired children.

accurate estimate of students instructional level. and Friske 1959)the Metropolitan appears to provide Because of the high degree of convergent validity (campbell techniques. test, compared most closely to the other results derived from a standardized group administered TAM and the close procedures, some what lower grade level. Тре inventory yeilded slightly higher reading level estimates sample, among the four procedures, the informal reading estimating instructional reading levels, a strong relationship among results of four procedures used achievement tests (MAI)". The data reported here indicated tional reading level with the help of 1978. Metropolitan Smith and Beck (1980) studied, "Determining instruc-

Wilbur, Goodhart and Montondon (1963) studied "Comprehension of 9 syntactic structures by hearing – Impaired". Results indicated a significant improvement across reading levels and allow the structures to be ordered in terms of difficulty for use controlled syntax reading syntactic structures (Why questions, conditions, non-locative professionals, indefinite pronouns, qualifiers, modal verbs, elliptical constructions, reciprocal pronouns and comparative constructions) were presented to 187 hearing and comparative constructions) were presented to 187 hearing and comparative constructions) were presented to 187 hearing and comparative structions at reading levels 1 to 8, The use of

course book format provided pragmatically appropriate contexts in which to test comprehension of these structures.

Servika, Hasson and Graham (1984) studied "The effects of indirect intervention on the improvement of Hearing-lmpaired students reading score". The effects of an indirect intervention system on reading achievement score, of hearing impaired adolescents were assessed. The results implied that for programs of hearing impaired children in reading achievement gain can be made by hearing impaired adolescents even if they are labelled as poor readers Acceptance of inevitable "Plateau" does not seem to be necessary.

LaSasso and Davey (1985) studied "An examination οſ hearing impaired reader test taking abilities on reinspection tasks". The results of the study suggested that hearing-impaired students performance on comprehension measures when reinspection was permitted. It is not related to age but instead may be related to particular test taking strategies used by the students. This strategy observed by others in recognition (eg; multiple choice tasks) Wilson Kretschmer and Jenseme (1978) Wood, Griffith and Webster (1981)) involved finding a key word in the question, locating the same word in direct verticle and or horizantal alignment with the keywords. It may be that impaired students performance on comprehension increased

when reinspection is permitted, is more a reflection of non-linguistic test-taking strategies than it is test comprehension.

Croft, and others (1985) studied 'Pilot investigation of validation of the modified learning and study strategies inventory (LASSI) for hearing impaired preparatory students Gallaudet college". The results suggested that the atvalidity of the adopted LASSI. An approach instrument for measuring the learning strategies repertoire of preparatory students at Gallaudet university. The preparatory students seemed to have problems with test-taking strategies, selecting important ideas, feeling of anxiety and attitudes. The PASS program and the preparatory curriculum need to focus on training the students to develop strategies in these areas. Regarding the special groups average reading skills, the adopted LASSI scores could predict poor readers who will need special intervention such as reading tutorial services that include learning strategies training.

Lechner (1986) studied 'Reading scores after completing reading "Cloze" or letter prediction tasks". This investigation determined if recall of printed paragraphs was improved by completing word prediction (cloze) or letter prediction tasks on a computer. The scores on recall tasks given after completion of each paragraph showed that all groups (good, average, poor) of students recalled significantly more in the reading condition (read one

paragraph, predicted every 5th word in a 2nd paragraph and predicted redundent letters in a 3rd paragraph).

Raynolds (1986) studied, "Performance of deaf college students: one criteron - referenced modified cloze test in reading comprehension". The author says that degrees of reading power (DRS) test offers a potentially valuable new tool for the assessment of reading achievement in deaf students. The modified cloze procedure with multiple choice response options provides a simple and direct measures of reading comprehension.

Israelite and Halfrich (1988): showed "Improving Coherence in basal Readers: Effects of Revision on comprehension of hearing impaired and normal hearing readers. This article examined the effects of revision that improved text coherence in hearing impaired and normal readers' comprehension of two syntactically hearing controlled basal stories. Findings suggested that the efforts to control readability through stringent syntactic may result in texts that are guidelines more difficult rather than less difficult for hearing impaired readers to understand.

Spencer and Delk (1989) studied, "Hearing impaired students performance on test of visual processing: Relationship with Reading performance". Performance of hearing impaired students on selected tests if visual processing and the relationship between performance on those measures and on a test of reading comprehension were

investigated. Significant positions of the variance in reading scores were explained by I.Q, and performance on tests of memory for visual stimuli. Visual stimuli test without a memory component failed to explain significant portion of the variance in reading performance.

Wilbur, Goodhart and Fuctner (1989) studied, "Comprehension of English models by hearing-impaired students". The purpose of this study was to obtain data on the abilities of hearing-impaired students to comprehend several common English models. Results indicate significant differences among reading levels and among models. Poor performance of the hearing impaired students on the model items in the study reported here reinforces the argument that English syntax cannot be learned in isolation, divorced from its pragmatic and semantic features.

Braeges (1990) study on "The comprehension monitoring abilities of hearing impaired" showed that between 40% and 75% of the time in classes for hearing impaired students consists of a teacher talking and or signing to students. This study of profoundly deaf junior high school students found individual differences in students abilities to accurately monitor their understanding of teacher presented material and to seek clarification when necessary. Accurate comprehension monitoring skills were significantly correlated with standardized measure of academic success.

Implications for teachers communication were suggested by these findings.

Lawchen (1991) studied, "Questions in American language or English for assessing reading". The mean ASL scores were higher than mean English scores but were not significantly different for some subjects; questions in ASL provided another measure of reading skill.

Mayer McLain, Grindley and McIntosh (1991) studied "Value of a scale used to measure Meta cognitive reading awareness". The study concludes that the obtained Crownback alpha coefficient of 61 was minimal and that the index of reading awareness should be used caurously as a measure of meta cognition in reading. The adequacy of the scale acceptable if used as a total score and only as one measure of the reading process in a port folio assessment.

Gillighan and Garne (1992) studied "Readers comprehension of Mazes embeded in expository texts "Results indicated that maze is available diagnostic tool. It is easy and quick to administer, and it suggests different teaching strategies at specific reading skill level (multiple choice extension of cloze is called maze).

Bueckandorf (1992) studied, "Comparative assessment of reading comprehension using multiple-choice and written summary formats with assertive and expository texts: In this study the author investigated the effect that text type and

text format have of the reading comprehension construct measured by marrative and expository text and multiple choice and written summary text format. The study indicated that the multiple choice tests and written summary formats measure different aspect of the basic reading contructs. Yang (1992) studied "Orthographic variation and acquistion. The purpose of the present study is to provide experimental evidence for the relationship orthographic variation and reading acquisition, Results the error detection task indicate this as first graders not confused by sound alike characters and detect the most errors in homophone form (3) seems more appropriate for skilled readers, since the skill to use both semantic phonetic cues required of readers abundant knowledge in linguistics. The evidence that readers use form (3) again, derives from the results of the error detection task, which fourth graders detect the most in phonetic\semantic compounds instead of in either word, shape homophone form (1) Sound constructed by virtue οf meaning (2) Phonologically mediated reading (3) \mathbf{a} combination of 1 & 2.

These studies showed that cloze procedure, informed reading inventory, maze, reading index, a meta cognitive awareness scale, learning and study strategies are some of the assessment techniques used for hearing impaired population. These studies also indicate that assessment techniques could be useful not only for measuring the level

of student, learning but also to plan for future programme with specific emphasis in the required dimension of reading for hearing impaired children.

2.4. Comparative studies (Normal and deaf)

Comparactive studies of normal and deaf children would deepen one's understanding as to how to plan academic programmes for deaf children and also provide measures of devitation with respect to deaf childrens' learning or their difficulties. With this perspective a few studies were reviewed in this section.

Locke (1979) studied, "Reading in deaf" and showed that hearing children identified significantly more cases of a letter when it was pronounced than when it was silent. The deaf were equally accurate in locating pronounced and silent forms. The deaf also were relatively unaffected by the grammatical class of target words while the hearing were more likely to detect letters in content than in function words.

Sarachan-Derly, (1982) studied, "Hearing impaired and Hearing readers sentence processing errors". Hearing impaired people develop language skills later and in a different manner than hearing people do. Evidence from this study indicates that the hearing impaired develop syntactic patterns that differ from those used by hearing, but semantic patters and processing abilities of the hearing impaired are similar to those of the hearing. The

development of early visual gestural system of semantic representation and implications for teaching reading to the documented discussed. This study has hearing impaired are that resulting - agrammaticisms" remain in hearing impaired teaching written language despite varied students' techniques, through the oldest ages tested (17-19 If hearing impaired students cannot eventually the use syntactic rules and endings to help process sentences, extract precise meanings from these sentences, comprehension is weakened. Too often, hearing total impaired children are said to have a simple -Continuing efforts to develop the problems. English syntactic rule systems of hearing impaired students should be made, especially in pre-elementary level to help make the perceptual oharacteristics of syntax salient for these children.

Quinn, Tomblin, Moellar and Osberger (1985) studied comprehension strategies of children with normal hearing and hearing impaired and normal hearing with language impaired. This data suggested that hearing impaired children rely on one strategy order of mention, more extensively than do the language impaired subjects with normal hearing or the normal language control group. Inter subject differences are larger for the hearing impaired subjects than the other two groups.

Kempte and Turecheck (1987) studied "Reading achievement of prelingually deaf students and its

relationship to parental method of communication. A review of literature". This study indicated that deaf children of hearing parents, typically function at higher levels of reading achievement than deaf children of hearing parents but inconclusive evidence is available regarding the relationship between method of communication used with deaf children and their reading skills.

Creaghead, Emerson and Williams (1987) studied, "comprehension of idioms by hearing impaired children". The present study examined the performance of 70 six to fourteen year old hearing impaired children on three measures, idoms without context, idioms embedded in contexts, which provides cues to measuring and syntactically matched sentences, without figurative expressions. When the scores were compared with those of normal hearing children, it was found that the hearing impaired children not only had lower scores on all measures, but they were less effective in many contexts to determine meaning.

Pinnas (1988) studied "Constructive processing in skilled deaf and hearing readers "The results indicated that (1) the deaf students took larger than the hearing readers to answer both types of questions (2) The deaf students demonstrated larger latencies for inferential questions presented in the 20 mts. intervals to the 30 second interval indicating that the inference was not formulated at the time of reading, but rather during questioning. This strategy suggested that those deaf students are processing inference

in a non-cess muetive manner. The work of Mckron and Ratcliff (198h: suggested that inferences may be praised during the reading process but not actually formulated units specially cued, Thus this result suggests although the did not exhibit the characteristics of students constructive reader their pattern of processing may not indicative of a deficiency in inferential processing. Considering that the deaf students were as accurate in their inferential responses as hearing students were, it may be that processing difference exhibited by the deaf readers reflects the use of adoptive strategy.

Kempte (1989) studied, "Reading comprehension of deaf Adolescent residential school students and its relationship to hearing mothers communication strategies and skills". There is a nation wide survey conducted to examine the relationship between prelingually deaf adolescents reading comprehension scores and their hearing mothers communication strategies and skills. A potential relationship was found, between reading comprehension scores and signing skill levels of mothers who used manual communication.

Gibbs (1989) studied, "Individual differences cognitive skills related to reading ability in Results indigated that deaf reader actually has much common with the hearing readers. Both deaf and hearing readers with high reading scores also carry a awareness of what is going on in the text that they are reading. They recognize errors and contradictions, they look for high truth value. Inshort they are

appears teaching metacognitively sophisticated. It metacognitive skills will be productive in developing skills. Knowing what are known, knowing what has been understood and being aware of coherent and incoherent are all critical components of reading skill. texts Sharpening of these skills would place the deaf reader in a much better position to explore successfully the world printed text. Spencer and Gutfreund (1990) studied, "Characteristics of "Dialogue" between mothers Prelinguistic hearing-impaired and normally infants". Dialogues between normally hearing mothers their prelinguistic hearing impaired or notmal hearing infants were analysed to determine relative contribution of mothers and infants. Identification of topic initiation and responding behaviour was found to provide important information about dyadic interactive patterns. No group differneces were found in responsiveness of mothers and infants. Hearing impaired infant produced fewer potential topic initiating behaviours than did normal hearing infants. Mothers of hearing impaired infants contributed a greater percent of dyadic topic initiation than the other mothers did,

Hanin (1993) studied, "The contribution of use of linguistic context to speech and reading proficiency". The hearing impaired and normally hearing performed equally well on a recognition of phonemes in a syllable; hearing impaired

subjects, however demonstrated a superior ability to make use of linguistic context found in sentences.

These studies showed that deaf children were far beyond normal children in their language acquistion and this might be the basic cause of poor reading abilities of hearing impaired children. However, it is possible to train develop reading skills in deaf children.

2.5. Comparactive studies between poor and good readers :

Review of studies related to poor and good readers enable us to understand the main drawbacks of poor readers and the nature of abilities of good readers so that efforts can be taken to develop such abilities which are essential for good reading in poor readers. With this point of view a few studies were reviewed in this section.

Creaghead and Donely (1978) studied "Oral and Reading ordinate and sub-ordinate comprehension οf super information". The reading and oral comprehension skills of good and poor readers were examined by presenting writing and onal sentences in a picture identification task. sentence contained the important information in either super ordinate clauses or subordinate clauses. It was found that the good readers had significantly better comprehension skills than poor readers and that exceeding information 1 N subordinate clause made sentences significantly more difficult for both groups under reading condition,

McGee (1981) studied "Effects of the cloze procedure on good and poor reader's comprehension and suggested that when cloze tests are carefully constructed, these tests may be effectively used to increase the comprehension especially in poor readers (1981)

Liberman and Shankweiler (1984) Hansen. "Linguistic coding by deaf children in relation to beginning reading success". "The coding of printed letters $_{\rm In}$ relation to the level of success of prolingually profoundly deaf children (median age of 15 years) begining reading was studied. As determined by recall errors the children who were classified as good readers appeared to use both speech and finger spelling (manual) codes in short-term relationship of printed letters; contrast deaf children classified as poor readers did show influence of either of these linguistically based codes in recall. Thus, the success of deaf children in begining reading, like that of hearing children, appears to related to the ability to establish and make use of linguistically recorded representation of the language. Neither group showed evidence of dependence of visual cues for recall. In summary, the deaf children need not limited to reading strategies that involve visual retention, instead they are able to make use of linguistic strategies derived, it appears, from spoken and manual language that could mediate comprehension. Although language system is accessed via different modalities in the speech based and

manually been codes used by the good readers, both provide the reader with a means of reprensting the internal structure of words. (See also Hirsh - Pasek (1981) and specifically, in terms of the present study, provide a linguistic basis for holding information in short -term memory. This results argue that successful deaf begining readers differ from their poorly reading counter parts in the use of these linguistic recall strategies. This suggestion is consistent with research on hearing children indicating that differences in the use of linguistically based representation in working memory as a relevant factor in learning to read.

Allington (1984) studied, "Content coverage and contextual Reading in Reading groups". The results of this study indicate that the greatest amount of silent reading done by good readers reading noted. These data reinforce and extend the findings presented on other research on differences in content coverage and pacing of students through reading materials.

Norris (1986) studied "Use of cohesive Devices by good and poor readers" and indicated that subjects who were good readers used a higher proportion of more complex strategies to maintain cohesion such as temporal and causal conjunction and lexical terms to mark the recurrence of information. Hanson and Liberman (1984): Studied "Linguistic coding by deaf children in relation to beginning reading success". The coding of printed letters in a task of consonant recall was

examined in relation to the level of success οſ prelingually and profoundly deaf children. (median age 8.75 years) in beginning reading. As determined by recall errors, the children who were classified as good readers appeared to use both speech and finger spelling (manual) codes in short-term retention of printed letters. contrast, deaf children classified as poor readers did not show influence of cither of these linguistically based codes in short term retention of printed letters. Thus, the success of deaf children in beginning reading, like that of hearing children, appears to be related to the ability. To establish and make use of linguistically recorded representations of the language. Neither group showed evidence of dependence on visual cues for recall. Ιn summary the deaf children need not be limited to reading strategies that involve visual retention; instead they are able to make use of linguistic strategies derived, it appears, from both spoken and mannual language. Although language system is accessed via different modalities the speech based and manually based cells, used by the good readers, both provide the reader with a means representing the internal structure of words and especially, in terms of the present study, provide a linguistic basis for holding information in short term memory. This results argue that successful deaf beginning readers differ from their poorly reading counter parts in the use of linguistic recall strategies. This suggestion is consistent

with research on hearing children indicating that differences in the use of linguistically based representations: to working memory as a relevent factor in learning to real

King studied (1991), Beaf readers and Davey acquisition of word meaning from context. This study revealed that how vocabulary of deaf readers appeared to revert to a sentence based processing approach, with hearing use of a replacement strategy. In addition, they committed more errors of syntactic processing and exhibited more strategies of simple sentence reconstruction and circle visual matching than did high vocabulary readers study indicated that high and low vocatoring significant condition generated comparable numbers of meaningful waste and utilized similar processing strategies when the material explicitly and unambiguously signaled the central memorana units. However, with the less explicit sentences sets, the high vocabulary group exceeded the low group in Hermer Bal Baik! acceptable meaning units (Single findings from Stressmen et al 1987 observed (Strassmen D. Kretnehmer, R. and Bilmher (1987). The instantiation of general terms by deaf adolescents/adults (Journal of communication disorders Vol 20 p. 1-33;) Low vocabulary deaf readers appeared to revert to a sentence based processing approach, with heavier use wit replacement strategy, In addition they commutated substantially more errors of syntactic processing and exhibited more strategies of simple sentence reconstruction and simple visual matching than did high vomatalary readers. In self report high vocabulary readers (it was

revealed) used context based strategy first and then use of dictionary where as low vocubulary readers used dictionary first rather than context

Gillian (1992) studied, "Print cue usage by prereaders begining readers, and experienced readers". This
research investigated pre-readers, beginning readers and
experienced readers use of grapho-phonemic syntactic
semantic spelling and pictorial cues. The subjects were
shown altered texts, designed to systematically reduce the
cues that were available in the print-setting. Results
suugest a developmental progression toward greater reliance
on grapho-phonemic and pictorial cues. These findings
conflict with one tenet of "Whole language" accounts of
early literacy.

Lillo-Martin; Watson and Smith (1992) studied "Deaf readers comprchension of relative clause structures". It is commonly found that most deaf readers display an overall depressed level of reading performance in conjunction with specific difficulties on complex syntax of relative clause structure was tested in written English, signed English and American sign language. It was found that the behaviour of deaf good and poor readers was parallel across relative clause sentence types and that the deaf readers generally performed similarily to hearing readers tested in a different study. These results support the hypothesis that a specific syntactic disability does not differentiate good and poor readers. Instead, it is suggested that a

processing deficit may underlie the poor readers comprehension difficulties.

Bonacci (1993) studied, "The acquisition of word knowledge from expository context in skilled and less skilled readers. "This study explored the ability of skilled and less skilled readers in grade six to acquire word knowledge from two different expository contexts. Results indicated that skilled readers performed better than less skilled readers on vocabulary recall measures. Skilled readers acquired more information than less skilled readers from both definition and anology contexts.

Lillo Martin, Hansan Watson and smith studied (1992) "Deaf readers comprehension of complex syntactic structures and found that the difference in reading ability between good and poor readers is likely to be based on processing differences rather than on differences in grammatical knowledge. This study suggested that cognitive basis for reading in relation to the processing function is different in good and poor readers, though the syntactic knowledge in particular knowledge of relative clause structures) is not deficient in poor readers i.e grammatical knowledge is equivalent to both readers group atleast with respect to relative clauses.

Above gludies show that there is difference in the language ability, approach and processing strategies of poor and good readers and hence good processing strategies

should be dev loped even in poor readers for improving their language and reading levels.

2.6. Studies at National Level:

A few studies have been reviewed at national level to understand the progress of research in the education of the deaf especially with reference to reading, evaluation and writing. Most of the studies reviewed are at post graduate research studies; only one or two doctoral level research studies were reviewed. In general research in this area is conspicously lacking due to lack of adequate awareness and qualified personnel in this field.

Devaki Devi's (1978) study on "Reading readiness test in Kannada, its development and standardization" showed that this test is satisfactory diagnostic test which can be identify reading problems at an earlier age. it also to helps the teachers to find out the abilities in which children are lagging behind. With the help of which teachers can train them in these areas. This test satisfied the criteria of good content reliability. This test used as a guide to identify the weaknesses in the specific abilities tests. This test also provides a quick reliable measure of the important reading readiness factors such as voqabulary, visual discrimination and auditory discrimination. Once the teacher knows the strengths and weaknesses in these vital reading readiness skills abilities he\she can take positive steps to develop these skills in these children.

Purushothaman (1986) studied, 'A frame work for testing Kannada Reading on the basis of automaticity, rules orthography and sequential processing. Behaviourally automaticity in reading can differentiate poor readers from good readers. The pattern of relations between reading and the cognitive processing strategies may be revealing difficulties in the processing of reading. Implications are Automaticity is important factor in learning to read Learning of the details of print is very important. Though practice may be a contributing factor for automaticity, learning of the details of print is very important. Knowledge of the rules of orthography is very important factor in learning to read Kannada. Knowledge of rules of orthography , particularly the 111 reading phonetically regular acripts will be highly contributing to fluencey and precision. Good readers are able to acquire the rules of orthography and automaticity in reading better than poor readers. Poor readers of kannade fail to read correctly whenever the syllables incorporate more than three ligatures in print. Poor readers also find the syllabus incorporate more than three ligatures in print. readers also find the syllables with two three consonants difficult to read; Poor readers of Kannada also show роог grapho-phonemic associations and exhibit confusions among the letters of the alphabet. Poor readers also do not make use of the cues provided the 1mmediate past in reading exhibiting their difficulty in

learning for a cues; poor readers difficulties in reading is a generalized one than specific to any level of script unlike among good readers who find only complex syllables difficult to read. Specific kinds of misreading for simple reversals are not the characteristic of either poor or good reader in Kannada.

Kiran Sharma (1990) studied, Reading abilities in primary-school children. Results showed that oral reading and reading comprehension correlated highly. Feacher rating on oral reading and reading comprehension correlated highly with the test performance. However with in the over all group there were individuals in whom (a) oral reading and reading comprehension performance did not correlate, thus the importance of this study lies in the fact that it is one of the first in the assessment of reading abilities of children in the learned language.

Ramakrishna (1990) studied, "A study of metalinguistic abilities in children. This study was designed to give information related to children's ability to segment utterences into words, syllables and phonemes of experimental and those of their own utterences. It was concluded that the segmentation tasks, segmenting phonemes was the most difficult for all subjects of the study. There was a strong relationship between the metalinguistic abilities testing segmenting syllables and words and the children's school achievement. It was easy for children to segment the experimenters uttereces than their own probably

because they could not attend to both the production and attending to the production in a metalinguistic way. Good achievers were found to be better in their segmentation abilities.

Mythra (1991) studied "Logographic Reading skills in children". This study aims to determine whether children demonstrate logographic reading skills during the initial stages of learning to read. The conclusions of this study are (1) Pre-Sohool age children do demonstrate logographic reading skills. (2) Logographic skills do not pertain rigidly to any one of the three age groups considered. but children in all three age groups demonstrate logographic reading skills, though the extent varies in each (3) The nature of responses and kind of differences among the three groups strongly indicates development trend (4) No specific word features could be identified which seems to facilitate logographic reading. In sum, the study seems to provide evidence for logographic reading and the underlying development processes of learning to read in agreement with the first stage of reading acquisition postulated by Frith 1965.

Dr. Vasantha (1991) studied "Accessing lexicon from print: A Psycholinguistic perspective on processing of written words in Telugu'. The author argues that any one or all three reading routes (Phonological, whole word lexical) may be used in processing Telugu words in print, depending upon the diaelect (Coastal Vs Telangana) to which the

subjects below, task of the subject (reading aloud Vs making acceptability judgement) composition of the text material.

Shirpa (1992) studied, 'A test of word finding abilities in children (Hindi)". This tool (tool) for the speech and language pathologist: Learning disabilities, professionals and other school personnel as a first step in a comprehensive evaluation of a child's word finding skills. Use of TIWACH to direct and complement diagnostic procedures in word findings will provide the examiner with helpful guidance in the overall assessment of children's word finding skills.

Pragna (1992) studied, The orthographic factor phonological awareness in relation to reading (Gujarathi)". This study was planned to compare the extent of relationship between phonological awareness and orthgraphic features learning to read. The results showed that (1) there is significant difference in the speech sequentation ability semisyllabic script. (2) rhyme recognition scores of two groups are almost similar (3) syllable stripping-scores of the children exposed to semi syllabic script are slightly better than those exposed to alphabetic script, however difference in phoneme stripping task between English Gujarati medium children in favour of the English medium children. Correlation between these tasks is low to moderate or even negative at times for Gujarathi

children. However due to limitations of the study, generalization of the results of the study should be done with caution,

Suma (1992) studied, "Story structure and Reading comprehension in the hearing impaired". The aim of this study is to find the effect of story and structure change on reading comprehension in normal and hearing impaired. results showed that normals had minimum differences between the original and revised versions of the stories in all age groups. However, hearing impaired performed significantly better in the original stories as compared to the revised This study clearly implies that reading versions. comprehension is not affected in the normals inspite of the change in story structure, while story structures do effect the reading comprehension in the hearing impaired i.e. changing the sentence structures in terms of length, simplified syntax and vocabulary; hinders the reading comprehension. Hence this study implies that hearing impaired subjects should be reading well written materials which are naturally cohesive instead of materials which are developed to meet a pre-determined set of rules for syntax, sentence length; or vocabulary.

Roopa Rao, (1994) studied, "Orthographic effects on naming speed and Accuracy of reading". Proficient reading is a skill developed through years of experience. Various factors affecting reading like word length, word frequency, meaning of the word, orthographic complexity have been

controlled and rapid reading tasks were assigned to subjects. Results showed a difference in reading rates between words, and non words suggesting the usage of whole word reading in word reading tasks. However, since a difference in reading rates of orthographically simple and orthographically complex words were found, it was concluded that phonologically mediated route also be contributed to word reading along with the whole word reading.

These studies at national level indicate that research studies in this field is quite meagre. However, efforts are being taken to conduct research in various dimensions related to hearing impaired academic field. But research in the area of teaching methodology to hearing impaired especially language skills with special reference to reading is conspicuously lacking.

2.7 Meta research:

In this section research review in the books and articles were summarized to get enlightened on research aspects of reading in deaf children.

Hart (1975) said in the book "Learning to read begins at birth" that to provide the very young deaf child with a background that will ensure a formal reading program in the pre-school. Activities which promote the young deaf child's oral language (particularly by making him sensitive to the suprasegmental aspects of language) and develops his conceptual and thinking skills will eventually do more for

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child, developing have sufferently and perceptural measurement and recording him we have a sufferently which with a sufferently recommended.

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this reading than early right vocabulary building. In formal reading activities such as reading about to the child, developing his interests and perceptual awareness and recording his activities and observations are strongly recommended.

Bryans (1979) said in his article on "Breaking the sentence barrier in language and reading Instruction" despite the years of instruction, a large number of students never attain a level of reading proficiency sufficient to permit the unaided comprehension of school texts, since language teaching with the deaf commonly emphasis sentence level skills, low levels of reading achievement may partially reflect inadequate attension to the characteristic of continuous discourse. He says that hearing impaired can be taught in the context of questions a reading passage. He concludes that low reading achievement and poor writing skills prevalent among deaf children suggest that sentence centred language teaching does not automatically lead to proficiency with connected prose. Repeated presentations of written passage with exercises designed to facilitate their comprehension as well as illustration of the differences between reading and writing are suggested which underlie the unaided comprehension of connected texts. although the exercise described here were primarily envisaged as classroom activities for children in schools for the deaf, they usefully incorporated into the supplementary language bе

teaching given to hearing impaired children integrated into regular classroom.

Brown (1979) wrote in his article on "Beginning reading instruction with hearing impaired children" that children were reading with a language level below that generally considered a pre-requisite for beginning reading. He also showed that an adapted form of a commercially available beginning reading program could be successfully used for beginning reading with hearing impaired children. The overall conclusion was that numerical scores of language level cannot be the sole determinent for implementation of a beginning reading programme.

Hasenstah and Longhton (1982) wrote in the book on "Reading and writing the exceptional child" that components of language namely syntax, semathtics, pragmatics, and graphophology are mutually interdependent; therefore, observation often necessaitates attention to the others (Wardbaugh 1969). In regard to the activity of reading. Wardbaugh contends that the reader uses visual clues of spelling knowledge, and syntactic and semantic competence to give meaningful interpretation of the text. Reading, then is a functional experience and knowledge World. In the mastery of reading, children employ all the components of language as they occur in written language format (Wischer 1976). Reading is a hypotheses testing process, that is the child imposes meaningful organization on incoming stimuli. The task of the teacher or the

evaluator is to determine what Arategies and Luowledge appear to be present at birth or soon there after (Browner, Goodmen and Austin 1966; Perrill - Burnstein 1981). Even low functioning children engage in hypothesis testing. Two kinds of hypotheses can be seem to be contributing to reading.

- 1. Those common to all children, irrespective of the experience provided (developmental milestone) and
- 2. Those unique to individual (idiosyncratic: Kretschmer 1979).

Children with reading disabilities probably develop maladoption. In assessing these have to be classified as developmental or idiosyncratic (Kretschmer 1979).

Reading is core of linguistic awareness. A synthesis of current theories of reading and related topics that suggested that model of reading that includes the following components. Text cohesion, pragmatics, semantics, syntax, and graphomorphophonemics (GMP) (Krctschmer 1979). Children who know how to read (or write) already know pragmatics and text cohension rules. In other words they are able to formulate hypotheses that gives them a basic context needed to discern meaning; children who do not these rules are too offen the very children who do not receive the benefits of appropriate instructional interventions,

The semantic aspects of the reading process involve more than simple word meanings. They, infact, considute the major aspect of reading comprehension schema theory and current theories and investigations about strong seems to hold more potential for understanding the reading process than simple vocabulary acquisition that has in the past. Knowledge of syntax allows emphasized predictions of various word order or grammatical relations of sentences. The basic unit of grapho-morphophoneme(GMP) (reception and productions) is the syllable. The basic unit for reading to the auditory system is syllable. So it seem sensible to use this type of strategy (sounding out new words syllapically rather than phoneme bу phoneme). Successful reading requires the use of all five systems of the model; it is possible that entry into the reading processing systems may occur at any point and may be unique for each individual. Based on a multitude of experimental factors, a child may approach depending on preference based on previous instruction, GMP, syntax, semantics, pragmatics, text cohesion, and comprehension are the levels of psychosocio-linguistic model to reading. Reading success having the hypothesis borne out across all psycho-sociolinguistic levels. Context is highly significant in reading process and it also aids memory. Memory in turn is the storage place of previous learning. The result ls almost a circular effect in that each component (context memory, comprehension) feeds and so on. The use of imagery,

especially with beginning readers, has been found to enhance comprehension and story recall (Anderson and Hidde 1971): (Guttman, Levin and Pressley 1977; Pressley 1976) Although context is attended to in most of existant reading methodologies it is seldom utilised to its full capacity and therefore full value is not realized.

study on Survey of (1987) reading LaSasso's instruction for hearing impaired students in the united states" indicated that (1) the basal reader approach is used frequently than a language experience approach (IFA) mòre as the primary instructional approach at all instructional levels (2) programs using the basal reader approach, reading milestones is the most frequent choice at al instructional levels and is looked upon more favourably for approapriateness of its vocabulary and syntax, figurative expression load phonics emphasis (3) about half of all programs using LEA involve teacher judgement in selecting target vocabulary and reading skills (4) all but 17% of the programs galculate students reading levels standardized or informal measures (5) reading levels cited as useful in reporting to parents, selecting printed materials and writing IEPS (6) only a quarter of all program view a standardized reading achievement test aM valid (7) only 20% of the programs use formal procedures LO select printed materials for hearing impaired students.

Moores (1987) wrote in "Literacy: The development of reading and writing" that there is a general agreement that

constructive process. Such a reader has an unconscious mastery of English grammer and vocabulary and approaches the material with a wealth of background information and expectation. The reader has a range of skills and strategies to adopt to the characteristics of the materials. A sensitive teacher can emphasize the importance of parents reading to their children and provide some practical advice on how to introduce the child to print, course, materials also help young deaf child understand that there is a relationship among speech, signs, fingerspelling and print.

Literacy can be seen as consisting of two highly interrelated components - reading and writing. Literacy itself, is a sub component of a higher - order category that also includes direct person to person oral and mannual communication. Traditionally, research on reading writing of the deaf has focussed on areas of perceived weaknesses, especially, grammer, and has concentrated on the word phrase or sentence levels. More investigations suggest that the functional reading ability of deaf children is much higher than has been suggested by scores on standardized achievement tests on reading, deaf children and adults are able to employ their cognitive abilities and knowledge of the World to compensate for grammatical difficulties. In the area of writing, some recent developments suggest that approaches emphasizing

function (meaning) over form (syntex) may be more beneficial.

Some clear trends in the development of literacy skills may be identified. A shift appears to be taking place from an elemental, step by step process toward more holistic functional, semantic based instruction. The final outcome, may be use of a pragmatic blend of analytic and holistic techniques to develop literacy, some what akin to the interactive compensatory model advocated by stanovich (1980). If so, it appears that an emphasis will be predominantly on holistic and meaning based instructional precedures.

Norris (1989) said on "Providing language remediation in the classroom - An integrated language to reading intervention methods" that techniques such as communicative reading strategles are advantageous because they anable language intervention to be provided with in the classroom resulting in benefits to the child, the classroom teacher, and the speech language pathologist.

Turner (1989) discussed "The role of language related factors in reading disability" in the book "Phonology and Reading disability (Shankweiler and L.y.Liberman Ann-Arbor (Eds) 1989) and suggested that metalinguistic reading ability plays a pritical role in the aquisition or reading skill and that deficient metalinguistic ability in beginning readers is the result of a developmental lag in decentration ability. This lag in development may delay early progress

reading to such an extent that it indicates what in stanovich (1986) described as a 'Cascade' of interacting achievement failures and motivational problems. metalinguistic ability is therefore seen not as evidence of specific cognitive deficient metalinguistic ability. It therefore seen not as evidence of a specific cognitive but rather as an indication of a slower oſ cognitive development which can be partially over bу intesive training in metalinguistic skills. However, such training must be initiated as early as possible to avoid the snowballing consequences of reading failure that Stanovich (1986) describes. Studies have shown that metalinguistic ability is causally related to reading achievement even when differences in short term ability are controlled (eg: Bradley and Bryant 1983). It is therefore possible verbal short-term memory deficits and developmental lags in metalinguisite ability both contribute to reading failure,

Hoover and Gough (1990) gave "A simple view of reading" book on "The simple view of reading". consists qſ two componants decoding and linguistic comprehension both held to be necessary for skilled reading. predictions drawn from the simple view were Three assessed in longitudinal sample of English spanish bilingual children in first through fourth grades. The supported each prediction (1) the linear combination of decoding and listening comprehension made substantial constribution toward explaining variation iη reading

comprehension but estimates were significantly improved by inclusion of product of the two components. (2) the correlation became negative as samples were successively restricted relationship between listening and reading comprehension for increasing levels of decoding skills revealed constant intercept value of Zero and positive shape values increasing in magnitude. These results support the view that skill in reading can be simply characterized as the product of skill in decoding and linguistic comprehension.

Hanson and Watson (1991) said in the book "Phonological processes in literacy". A Tribute to Isebelle Y.Loberman" that Susan Brady and Isabelle Libermen were among the first to understand that reading problems may be reflections of a more general problems in the language domain and research on readers illustrate this point; their deaf auditory impairment levels, infact, their visual and intellectual abilities. At first blush, therefore, it might seem that reading being 'visual' task would present no particular problems for a deaf person. Yet the demographic data experimental research show that this rationale to be incorrect. Reaiding acquisition is particularly difficult persons, and this difficulty is associated for problems in the language processes underlying perception and production. As discussed in this chapter. it has the important consequence of limiting also development and the efficiency of phonological coding, which

has consequences of verbal short terms memory processes that underline reading.

2.8. CONCLUSION :

the research studies focussing factors conclude To influency reading skills were reviewed to get awareness with regard to factors to be considered in developing skill. Studies related to teaching of reading were reviewed getting insights into the methods of teaching of reading hearing impaired. Studies emphasizing cognitive aspects reading in hearing impaired were undertaken to 21.1 sensitized with regard to the abilities of hearing impaired cognitive aspects. A few studies on evaluation and assessment threw light on the measures of evaluation and studies of comparison of deaf and normal, good and [947 () [* readers gave some direction for educating the hearing impaired children. Thus this review of literature enriched the investigators understanding and helped in forming appropriate research design.

In short, the review of literature related to the development of reading skill in hearing impaired and teaching of reading indicated that the practices teach reading to hearing impaired children were not adequate. The abilities of hearing impaired children developing reading skill in specific isolated aspects appears to be promising in some researches. Potential abilities of hearing impaired children with reference to

their cognitive and meta cognitive skills are yet to be tapped successfully in research. There is dire need to develop programmes for hearing impaired children at various levels, using class room teaching and making use of school subjects as a medium for developing reading skills in hearing impaired children would be advantageous. As language develops in a wholistic environment, development of reading skills in turn language in a natural, experiential environment with wholistic approach sounds to be desirable for hearing impaired children.

CHAPTER - III

METHODOLOGY

3.0 Introduction:

In the earlier chapters reading, its importance to students in general, hearing impaired in particular, and studies that focus on various aspects of developing reading in hearing impaired students were discussed. In this chapter the procedure of the study was explained. This chapter gives detailed account of the development of the tools used, levels of reading identified, selection of the sample and other variables considered for study, administration of the tools and collection of data and statistics used for analysis and interpretation.

The study is undertaken in three parts—sequentially.

The details of the procedure followed in the three parts of the study were explained in the following sections

First part of the study consists of identification of the levels of reading ability. The identification of the levels of reading ability was based on a thorough reading of the literature on reading and review of the empirical studies on reading with special reference to hearing impaired children. As this study was aimed to develop a few strategies that would help in improving the reading abilities of hearing impaired children it is essential, first of all, to identify different levels of reading

and evaluation are involved. The classification of reading skills by various authors though differ in their labelling, they mainly refer to the following three levels of reading. (Haris smith; Francis Robinson 1970; Bloom, Barret 1968, Barret 1966, Gray Robinson 1960; Bloom Barret 1968, Barret 1966, Gray Robinson 1960 Walcutt 1967, Hecker 1968).

- 3.1.1 Reading the lines: To comprehend a passage one requires at least three abilities: the ability to observe, and use the different relationships of ideas, the ability to set specific purposes in reading, and the ability to make full use of previous learning in attacking the new material. In literal comprehension the student reads the lines. In terms of Niles (1963). This means simply listing the ideas and or arranging them chronologically.
- 3.1.2 Reading between the lines: The reader reads between the lines at the interpretation level and reacts to the ideas expressed in the passage. According to Niles (1963) this means, observing comparison, contrast relationship or cause and effect relationship. The ability to observe one or more of these relationships is a component of comprehension skill. The perception of a specific purpose in reading facilitates comprehension, Associational reading, that is reading making full use of the back log of real and vicarious experiences that one posses makes reading more meaningful Niles calls this ability reading readiness in an extended form. All these observing relationships,

perception of purpose, associating - means reading between lines and reacting to the ideas expressed in the passage. 3.1.3 Reading beyond the lines: Reading beyond the inferring for predicting, judging. This means means reflecting for the purpose of reading a conclusion. According to DeBoer (1946) this means searching for relevant material, evaluation of the data, identification and comparison of and the synthesis of findings. It involves the capacity for suspended judgement and the intrepretation of motives. This judgement is based on sound the writers criteria developed through previous experience Robinson (1966) pointed out that reading beyond the lines requires competence in the basic skills and abilities in word perception, and comprehension, an inquiring attitude, a background of information about the topic, ability to weigh evidence while one suspends judgement and understanding or control of one's basic attitudes. This means reading critically.

Reading beyond the lines also includes another dimension viz reading creatively. This means selection rearrangement of ideas obtained into new thoughts and fresh ideas, In creative reading one thinks about the possible uses of the information one is reading. reading transforms the reading material into something highly personal. It fosters divergent thinking about read. The creative reader has to think new possibilities suggested by the statement of the problems,

other possible hypotheses, better methods of collection of data, possible conclusions and interpretations of the findings, and an appraisal of the possibilities stemming from the findings (Torrence and Harmon 1961).

Thus there are three levels of reading. The first level namely literal comprehension is at the lowest order the second level interpretation is at the middle order and the third level critical and creative reading is at the higher order of reading.

- 3.2 Skills of reading: Each of these levels consists of number of skills. The performance of these skills will facilitate the render to acquire the ability at different levels.
- 3.2.1. Reading lines :- Literal level: This level includes three skills of reading namely identifying skill (2) relating skill and (3) organizing skill.
- 3.2.1.1 Identifying skill: Identifying skill means identifying main ideas, details, facts or opinions and purpose of the content. Students will be in a positition to evaluate or criticially read the content of the given text only when they can understand the given matter in terms of its ideas, its importance and purpose. For example in the sentence, "Kesavavarma, a zaminder wishing to build a beautiful palace, called for famous sculptors. "In this sentence the student has to understand main idea of the sentence i.e the Zamindar wanted to build a beautiful

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palace. Other details in the sentence are (1) Kesava varma is a Zamindar (2) He called for the famous sculptors (3) to build a beautiful palace (4) He has also got wishes enough money to build a beautiful palace. Only when the students understand these ideas, they willbe able to understand the authors purpose in stating this sentence Kesavavarma is interested in building a beautiful irrespective of its cost. Similarly the students should also know that Kesavavarma's interest in building a palace is a fact. On the contrary if he/she thinks that Kesavavarma's interest in building a palace is his opinion, then there is the possibility of his\her deciding the idea of this sentence in different ways as biased, or emotional depending upon his her knowledge and judging capacity.

3.2.1.2 Relating skill: Relating skill involves the skill of relating the main idea to the details given under that main idea, and the skill of finding out the relationship between the main ideas. If the student undersands how a main ideas is related to the other details given under it, he will be able to follow the manner of presentation of the topic. If he\she is able to follow the relationship of main points of all paragraphs in the text, he will be able to understand the topic in the right perspective. This will enable him\her to think of other aspects of the topic related to the point of view focussed by the author. He would also understand how these aspects are related in the

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given context and how they enhance the depth of understanding of the given topic.

3.2.1.3 Organization skill: Organization skill indicates the skill of arranging the points or ideas read in the text in an order logical or reltional. It also includes the skill of summarizing the ideas discussed under a topic. The skill to summarize and organize in an order makes the students remember in a nut shall all the important points discussed in the topic, know how they are related, the order in which they are discussed, and their relative importance to the topic chosen. This skill provides scope inferring ideas, and evaluating them on the basis of students own experience and knowledge. If the students not remember all the points given in the passage, in what relationship they are given and their relative importance in focussing the topic chosen, their evaluation will defective, even though they have good judging capacity as well as good background knowledge of the topic discussed. This skill also makes the students develop their syntactio and semantic understanding, improve their languae ability through noting down precisely and pointedly. Hence skill is essential to improve or develop students reading ability.

The passage that follow illustrates the function of organizing skill in reading. Realizing that for a common men daily necessities are more important than his beautiful palace. Zaminder made necessary arrangements for drinking

water in his area so that people would not suffer from lack of drinking water.

What follows could be an organized summary of the passage "(1) For a commonman daily necessities are important (2) Beautiful palaces are not necessary for common people (3) Drinking water is daily necessity for the commonman (4) Zamindar realized this fact. In this summary there are four main points

- (1) Common man's necessities are different from the wealthy person
- (2) For a common man daily requirements are more important
- (3) Where as for a wealthy person building a palaces may be important
- (4) Zamındar realized this fact and arranged for drinking water supply for the commonman in his area.

Students' should know these points and in the same order also, if they have to understand that Zamindar has not realized the importance of drinking water to the commonman in the initial stage but he understood this when he observed his labourers feelings, working in the construction of his palace. All these facts the students would know, once they are asked to summarize the given passage. Infact summary implies the main points in order indicating the relationship.

- 3.2.2. Reading between the lines: Reading between the lines means inferring. Inferring may be for finding out the reasons, to understand the facts, attitudes, bias etc. Hence at this level one skill is involved i.e reasoning skill.
- 3.2.2.1 Reasoning skill: Inferring is the important aspect of reading. Inferring can be of two types inferring ideas from the explicitly given statements. for example in the sentence, 'The boy was nine years old when his mother died, and he and his sister had to take care of themselves until his father married again, as he did, twelve months later'. The inference is that his mother died when he was nine years old and his father married again after one year or twelve He and his sister had taken care of themselves months. during these twelve months. These are explicit inferences as they are given in the sentence. Second type of inference implicit inference. For example "Zamindar arrangements for adequate drinking water supply for his workers in his area. There after the sculptors worked for the construction of the building very committedly". In these two sentences, the inference that can be drawn is that the workers were happy as the Zamindar made arrangements for adequate drinking water supply. Because they are relieved of their family burden, they could work committedly in the construction of the house. These ideas are not explicitly stated in these two sentences. But they are implied in the sequence. This type of inference, where ideas are not openly

stated but need to be inferred from the sequence of ideas expressed is called implicit inference. This is very important in reading skill for proper understanding of the text, as generally students misunderstand, or loose track of the ideas expressed in the text, if they do not develop this skill.

Thus reasoning is necessary in various aspects to understand the given text in its proper and complete perspective. Sometimes the text may contain main ideas implicitly given, details may be implied. The students may have to infer through reasoning the purpose or intention of the author in presenting the topic and the way he is presenting it. The students may have to infer the bias of the author from the way of his presentation. Inference may have to be made on the attitudes, emotions and personality of the author, tone, style, objectivity or subjectivity. Therefore any print material can be properly understood in its full implications only if appropriate inferences are made either explicitly or implicitly based on the ideas presented. Only when the text is understood in its right perspective, the students will be able to further reason out to get more implied and implicit information. It is not mere guessing but is based on rational analysis of the given information.

3.2.3. Reading beyond the lines: Reading beyond the lines means understanding the authors' future intentions, evaluating the given information and ability to question

authors' perspective and if possible ability to view the presented parts in a different or noval perspective. Hence at this level four important skills are to be developed. They are

- (1) Predicting skill
- (2) Judging skill
- (3) questioning skill
- (4) Creative reading skill
- 3.2.3.1. Predicting skill: Predicting is another dimension of inferring. It stimulates one's thinking and gives scope for verification, justification and modification. Prediction makes students to read beyond the lines. Students ability to foresee things ahead even before they read the text completely, develops from this predicting skill. This skill helps the students in quickening their reading speed, once their predictions are correct and analyse their wrong predictions, if they go wrong, and thus soon getting into the groove of the authors way of thoughts while reading the passage or text.
- 3.2.3.2 Judging skill: Evaluation requires judgement of the adequancy of the content for the given topic, for the supposed audience or readers, use, misuse, abuse or disuse of the relevant information, objectivity of the author in presenting that particular topic and how far it is realized in his way of presentation. It also includes the good and bad points of the topic and drawbacks in the presentation,

distractions and deviations introduced, the reasons for deviations, whether the deviations are necessary or not, if necessary how these deviations would contribute, to the main theme of the topic, if not, why the author deviated and its result on the main theme, all these aspects of the content are to be judged. Students need to be given activities which will make them think, judge, and decide about the given content in terms of its purpose, appeal, relevancy, consistency, adequacy and applicability.

3.2.3.3 Questioning skill : Questioning skill the neucleus of any one's thinking ability, This skill is required for reading in general and critical reading in particular. Unless students develop questioning attitude. they will not get stimulated to think about various aspects of the textual information while reading. The moment a student reads anything, he\she should be able to expect the aspects, the author is going to discuss under the given title. Onge the students develop this skill of asking questions on the given topic, their thinking can be further deepened and sharpened through different types of questions as they progress in their reading. For example when the students nead the title such as "Interest in work or character of a scholar" the students should be able to write questions to which they are expecting answers in the given topic or they should be ablve to think of different aspects of the topic and question which aspect the author is going to discuss in that particular topic. This questioning

attitude develops curiousity, interest and inquiring nature which are conducive to reading in general and critical reading in particular.

3.2.3.4. Creative reading skill: This is the extension of critical reading. When the students evaluate the given content withtheir knowledge and experience they will be in a position to suggest modifications for the topic to make it more interesting, appealing and attractive. Students' thinking and critical reading can also be further developed when they are asked to think the new ways of using the given ideas of the topic or a new way of presenting the given ideas for better appreciation by adding examples, descriptions, arguments or anything that will make the topic more interesting, atleast from the students point of view. Introducing this type of creative reading in the class room situation fosters in students a sense of achievement and originality and when their ideas are accepted and discussed, students develop personal involvement in reading. This skill not only deepens students thinking but develops good interpersonal relationship with the teacher as well as amongst the students and inculcates positive group work through frequent group attitude towards discussion.

Thus in this study totally eight skills of reading were identified. The following table gives the eight skills and their aspects identified in this study.

Table 3.1; Reading skills and their aspects

Skill

Aspects focussed

I Reading the lines

- 1. Identifying skill
- 1. Explicit Main idea
- 2. Explicit details
- 3. purpose

2. Relating skill

- 1. Main ideas
- Main ideas and details 2.
- Main ideas to the purpose 3.
- 3. Organizing skill

Summarizing

II. Reading between the lines

- 4. Reasoning skill
- Explicit Inferring of purpose, main ideas, and details
- Implicitly inferring 2, purpose, main ideas, and Exact points

III.Reading beyond the lines :

- 5. Predicting skill
- 1. predicting the future content
- 2. Predicting the conclusion

6. Judging skill

The content in terms of

- 1. Validity
- 2. Purpose
- 3. Use
- · 7. Questroping skill

on the basis of

- 1. Title
- 2. After reading a part of the passage
- 8. Creative Reading Skill: 1. Applying the ideas learnt new situations or using them novally.

- 3.3 Strategies: The strategies for various skills elaborated under each level were discussed in this section. Strategies are the activities that the reader has to perform, exhibit or do for achieving a particular skill. They are the means through which the reader develops particular skill. Five strategies for the identifying skill, three strategies for relating skill, two strategies for organizing skill at initial reading level i.e reading the lines; at the next level four strategies for reasoning skill were identified i.e reading between the lines and four strategies for prediction skill, three strategies for judging skill, two strategies for questioning skill, two strategies for questioning skill, two strategies for creative reading skill at the third level of reading namely reading beyond the lines were developed.
- 3.3.1. Reading the lines: Identifying, relating and organizing ideas were the skills essential for this level of reading
- 3.3.1.1. Strategies for identifying skill: Identification is an understanding activity and it involves separating the main concept, idea or fact from the mass of information read. Students may do so by (1) identifying the explicit main idea of a sentence (2) Identifying the explicit main idea of the passage (3) identifying the main idea of the topic (4) Identifying the explicit details given in the passage (5) Identifying the purpose of the topic given.

- 3.3.1.2. Strategies for relating skill: Relating skill helps in comprehending the passage with coherence. It involves activities such as (1) Relating main idea to its details in terms of cause and effect, elaboration or description, logical arguments etc (2) relating all the main ideas of the passage through logic or reason (3) relating the main ideas to the purpose of the passage.
- 3.3.1.3. Strategies for organizing skill: After seeing the relationship among the identified main ideas, the reader has to organize them in a logical sequence to get the meaning of the passage. The organizing skill involves the following activities (1) Summarizing the main points of the text (2) Arranging the points in the textual order.
- II.3.3.2. Reading between the lines: Reasoning is the skill necessary for this level of reading.
- 3.3.2.1. Strategies for reasoning skill: Reasoning is the basis for stimulating thinking. This reasoning ability deepens one's understanding of the topic. Activities that can be provided for developing this skill in children are (1) Inferring from explicit main idea (2)Inferring from explicit details (3) Inferring from implicit main idea and details (4) Inferring exactly what the author has said and its implication.
- 3.3.3. Reading beyond the lines: Prediction, judging questioning and creative reading are the skills necessary for this level.

- 3.3.3.1. Strategies for prediction skill: Prediction is saying in advance. This skill involves activities such as (1) Predicting the passage after reading a few lines (2) Predicting the middle ideas when the first and last paragraphs were given (3) Predicting the beginning after reading middle of the passage (4) Predicting the purpose of the passage from the title.
- 3.3.3.2. Strategies for judging skill: Judging skill involves the following activities (1) evaluating whether the given content is relevant or irrelevant for the topic (2) Whether the ideas expressed are true and worthy of retaining, whether the topic selected is interesting or not and the reasons for such feelings (3) Usefulness of the topic to the expected reader.
- 3.3.3.3. Strategies for questioning skill: Questioning skill stimulates thinking ability. It involves identifying appropriate questions for topics given (2) Framing questions for the topic given.
- Application is the skill involved in this type of reading. Reading becomes complete only when the information read is applied in contexts other than the ones in which it is read. Application involves activities such as (1) applying the ideas given in the text in a new situation (2) thinking ways of using the ideas in a practical set up.

The various strategies suggested for the development of different skills for the promotion of reading in students at different levels as discussed above under heading strategies are summarized in table no 3.2

Table 3.2 Strategies for the various skills of reading at different levels

<u>dıf</u>	<u>ferent levels</u>		
Lev	el		Suggested strategies
	Reading the lines	1. Identifying skill	
			 Identifying explicit main idea of a paragraph.
			3. Identifying the main idea of the topic.
			 Identifying the purpose of the topic.
			5. Identifying the explicit details in the passage.
		2. Relating skill	 Relating main idea to the details.
			 Relating all main ideas in the passage through a logic.
			 Relating main ideas to the purpose of the topic.
		3.Organizing skill	 Summarizing Arranging the points in the textual order.

- II Reading between the lines
- Reasoning skill
- 1. Inferring from Explicit main idea.
- 2. Inferring from explicit details
- 3. Inferring from implicit main idea & details.
- 4. Inferring exact points and purpose of the text.
- III Reading beyond Predicting skill the lines:
- Predicting after reading a few lines
- 2. Predicting the middle passage.
- 3. Predicting the initial passage from the latter half.
- 4. Predicting the purpose of the passage from the title.
- 2. Judging skill

Evaluating the content for

- 1. Relevance
- 2. Interest
- 3. Worth and usefulness
- 3. Questioning skill 1. Identifying the questions for the given passage.
 - 2. Framing the questions for the given topic.
 - 4. Creative reading 1. Applying the ideas given in the text in a new situation.
 - 2. Thinking ways of using the ideas presented in a practical set up.

- 3.4.0. Instructional techniques for the practice of strategies; The strategies suggested are to be practised by the students for the development of reading skill. Practice sessions in reading have to be arranged by the teacher helping students practice the strategies. An instructional technique for such practice sessions is developed and it is described in the following sections.
- 3.4.1. Predicting skill: The strategies under predicting skill are to be practiced before the begining of the as the students have to predict the content at different levels which means the students should not be familiar with the topic pefore hand. The students are asked to predict the content of the text from the title. Thus the students asked to read the first para and compare are predictions with the content of the first para and are asked to reason out their mispredictions, if any. Then they asked to read the end of the passage and find out the authors predictions, compare their predictions and authors and reason out the deviation in their predictions if At this point the students are asked to predict ideas presented in between the beginning and the conclusions. Same strategy of reasoning out the deviations in their predictions if any are to be practised. This type practise in predicting beginning middle and end of the passages helps the student how to focus their thinking based the given information. It would be challenging and interesting to the students also, as their guesses are some

times accepted, which would boost their self confidence and thinking capacity. They automatically develop interest in reading to verify their predictions.

3.4.2. Questioning skill: Questioning skill is the next step to be practiced in the reading sessions. There are two strategies under questioning skill. The first activity identifying the questions to which answers can be found passage to be read i.e the students are asked to the title and then read the questions given under that They are supposed to identify the questions that title. could be answered from the content in the text. This skili depends on their prediction skill. The purpose of activity is to make the students thinking more focussed and The second activity is to ask the students purposeful, frame some questions based on the content they read. activity makes the students understand and differentiate the main ideas and details of the passage with more clarity helps them to understand how questions are framed and thus develops their questioning skill.

to be employed alternatively, first students are asked to predict the content of the text from the title. Then they are given some questions from which the students are asked to identify the questions that suit the content of the topic given. Then they are asked to read the first para and compare their predictions and check their choice of questions. Then they are asked to predict again, then read the second

para, compare their predictions and the actual content. This sequence should be followed for all paragraphs.

3.4.3. Identifying skill: While prediction and questioning make the students more attentive and skills provoking, the identifying skill makes the students identify main ideas, and details. The students can be divided into small groups depending upon the strength of the class then each group is given one para and asked to identify first of all, all points. Then the students are asked to decide the most important point amongst the given points. If any group finds it difficult to do so, the students are given guidance through helping them to identify key words in the sentence, then key sentence in the paragraph and idea of the sentence in the paragraph. The students are also asked to give reasons for their decisions at each which makes the students alert and be active and understanding rather than follow the steps blindly through observation.

3.4.4. Relating Skill: Each paragraph is taken separately all the points are listed and then the main idea is underlined. The students are asked to find the relating of each of the sub-points mentioned in the paragraph to the mainpoint, whether the sub-points elaborates the mainpoints, describes, gives reasons or gives examples. Thus the relationship of each of the main idea to its details are focussed. Then all the main points of the passage are listed, key point of all these main points is identified.

The relation of these main points to the key idea of the passage is drawn out through questioning.

3.4.5.Reasoning skill : Reasoning skill has tobe developed through mainly two types of activities namely inferencing from explicit ideas and inferencing from implicit ideas. To make the students understand how to draw the inferences from explicit ideas, the students are asked to list all ideas in the passage identified by them, then, they asked to read the lines again and again where they can draw inferences from explicit statements by focusing attention on the gaps indicated in the ideas of sequential sentences or by indicating them to think about the character of the person, attitude of the author emotions expressed through the meaning of the sentence given in the passage. This step requires a lot of patience ability of the teacher to question the students for focussing the idea, as he\she has to redirect, reframe questions to make the students infer the ideas. The teacher points out the relevent part of the text and asks students to read that praticular part of the text and the idea behind it. The students are asked to decide whether that idea adds to the details of the main idea forms a separate main idea. Similarly they are asked infer character, attitude bias, emoitons, assumptions and other possible points in the text.

- 3.4.6. Occasionation akill: There are two strategies for organization skill. first one is asking the students to read the complete text and give a brief summary of the text read. Second activity is asking the students to arrange all the points given in the text in a logical order or related order or in the textual order. To develop this skill, students are asked to do independent work and then their answers are compared for the best summary and organization.
- 3.4.7. Judging skill : To make the students Judge and question each of the ideas presented in the text, they asked to read the complete text and list all the ideas ın the text. Then each idea is taken and discussed the relevant value judgement that is whether the idea is fact or opinion, relevent to the topic or irrelevant, reliable They are also asked to question reliable. the usefulness, naturalness, and practically of the ideas. In each case the decisions of the students are questioned as to why they have taken that stand and reasons insisted on either from their personal experience or from the text or from any known source.
- 3.4.8. Creative reading skill: Students are asked to express their opinion on the nature of the topic whether it is interesting or not and the reasons for their opinion. Then they are asked to suggest some other aspects of the topic and plassify those aspects under int uninteresting aspects, reasons for their par-

Then they are asked to suggest some modifications which could be made in the text to make it interesting or more interesting and explain how these modifications make the topic interesting or more interesting. The students are asked to identify the point of view of the author and suggest other points of view of the topic discussed. Then are asked to select one of the interesting aspects they topic from their point of view and reasons are getting interest in that particular aspect of They are asked to modify the aspect or substitute other aspects to make the topic still more interesting.

Thus the instructional technique for the practice of the strategies for developing reading skill has eight phases. In each phase the students are given practice in reading that ext and one (aspect) of the reading skill is focussed through questioning and students are encouraged to answer through promptings suggestions, reinforcements and refocussing. The main advantage of the technique is the repeated reading which makes the content of the text familiar to the students and as diverse aspects are focussed at each stage to make the students think and thus stimulate and improve their reading skill.

3.5.0.Tools: As has been explained at the beginning of this chapter, the study has been carried through in three phases. The first phase relates to the identification of the components of the skill.. In the second phase, strategies.

for the development of reading skill are formulated and put to pilot test and in the third phase the finally selected strategies are adopted to promote reading skill in students in an experimental condition. During the second and third phase, necessary tools to measure the relevant variables are developed or selected and used. The details regarding the development of tools used in the second phase of the study are discussed in this section. Details regarding the tools used in the third phase (experimental phase) of the study are given under. Tools for experimental study "while describing the experimental part of the study.

This study was meant to develop a few strategies that would be helpful for improving the reading abilities of hearing impaired children. To plan out for strategies, initially one should findout the level of reading skills already acquired by the hearing impaired students in terms of components of reading skills so that the strategies can be planned out for the inadequate levels of reading skills. For this purpose a diagnostic test in reading is essential. All over the country, hearing impaired children have the option to learn only one language, as it is difficult for them to learn two languages inview of their communicative deficiencies due to hearing loss. In the State of Andhra Pradesh all hearing impaired learn only one language i.e their regional language Telugu. As this was undertaken in the State of Andhra Pradesh a. diagnostic reading comprehension test covering the three levels of reading

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skill in Telugu language is essential. As reading tests meeting the requirements of this study was not readily available, the investigator developed a diagostic reading test for hearing impaired children.

3.5.1. Development of diagnostic test in reading for Telugu language oriented hearing impaired students:

Reading is a Complex skill. Various authors and reserachers working in this area of research identified components of reading with different labels, all of which broadly fall under three major categories (1) Reading the lines. This means understanding what is explicitly stated the passage (2) Reading between the lines which means understanding ideas implied in the passage through explicit implicit inference (3) Finally reading beyond the lines or indicate that understanding the passage from one's own World of knowledge, attitudes and interests. In category the ideas given in the passage are evaluated based on a criterion or the ideas given in the passage are utilized for a novel purpose or novally organized which result in a new perceptions or conceptual use. These types of reading were termed critical and creative reading respectively. The investigator considered only these three levels, while developing a diagnostic test in reading in Telugu for hearing impaired children in Andhra Pradesh State.

3.5.1.1. Selection of a pastage: Reading is mainly cognitive process. Reading in the initial stages would be focussed on "learning to read" but it should not stop at this point, individual has to develop his academic talents. should continue to develop into "reading to learn which means developing one's own higher thinking and cognitive For any one to think at higher levels levels. οf understanding the selected passage should be easy enough for understanding in terms of vocabulary and presentation (i.e sentence construction). To identify readubg level of a passage there are various methods adopted in other countries but in India that much of sophistication has not developed especially in Telugu language. However it is generally recommended to identify the reading level of passage, for a student functioning on a specific grade level is to ask an experienced teacher who teaches that grade or confer with the schools' reading specialist. Israelite (1988) supports the use of using other professionals and the students themselves to identify appropriate materials. She contended that conventional measures of readability are too limited in scope to account for the complex interacting factors that influence text comprehensibility. She suggested that the most widely recommended alternative to readability formulas is the informed judgement οf writers, editors, classroom teachers, and the readers themselves. Hence IX class teachers of hearing students were consulted to find out about their reading

interests, reading habits. As per their advise, the popular Telugu magazine, which was regularly read by these students was chosen for selection of a passage. Four short stories were selected from this magazine called Balamitra. These passages were given to teachers to rate the reading levels of these passages to the IX class students. Five teachers who were teaching IX class hearing impaired children in the school were asked to assess the reading levels of these four passages. The ratings of the teachers were taken on two dimensions (1) Difficulty level of the passage (2) Interest level to the students; for each dimension three ratings were given as follows.

- 1. Reading level Easy Average Difficult
- 2. Interest level Interesting Average Not Interesting

These ratings were scored by giving '2' points for easy '1' point for average and 'o' for difficult in reading level and '2' for interesting, '1' for average and 'o' for not interesting, The ratings of the teachers were averaged for all the passages. The passage with highest score on two levels was identified as the suitable passage for developing diagnostic reading test. Because, to assess the reading levels of the students, first of all the students must be able to read the passage with understanding. To motivate the students to read the passage till the end, the passage should be interesting to the students. The following are the

ratings given by five teachers for four passages identified for reading test construction.

Table No :3.3 Frequencies of the teachers ratings on the four selected passages and their total score for each passage.

	Frequencies		Frequencies					
Passage	Easy 2	Aver- age 1	Diffi- cult 0	Total score	interst-	aver- age	not inter- esting	Total score
,								
1. Passage I	IlĮ	II		8	II	111		7
2. PassageII	IIII	I		9	IIII	I		9
3. PassageIlI	111	1	I	7	I	ΙI	ΙΙ	4
4. Passage IV	I	I	III	3	I	I	III	3
				_				

From the table given above, it can be understood, that IInd passage appears to be comparetively more easy and interesting to the students as per the teachers assessment.

These four passages were also given to 10 students of hearing impaired students and they were asked to rate which of these pasages are very easy and interesting to them. The passage which was identified as very easy and intresting by the maximum number of students was selected. Among ten students, seven students said that the IInd passage was very easy and interesting. Interestingly the students assessment and the teachers assessment correlated well which means

ratings given by five teachers for four passages identified for reading test construction.

Table No: 3.3 Frequencies of the teachers ratings on the four selected passages and their total score for each passage.

	Frequencies		Frequencies					
Passage	Easy 2	Aver- age 1	Diffi- cult 0	Total score	interst- ing	aver- age	not inter- esting	Total score
,								
1. Passage I	III	11		8	II	III		7
2. PassageII	IIII	I		9	IIII	I		9
3. PassageIlI	III	1	I	7	1	ΙΙ	II	4
4. Passage IV	I	Ι	III	3	I	I	111	3

From the table given above, it can be understood, that IInd passage appears to be comparetively more easy and interesting to the students as per the teachers assessment.

These four passages were also given to 10 students of hearing impaired students and they were asked to rate which of these pasages are very easy and interesting to them. The passage which was identified as very easy and intresting by the maximum number of students was selected. Among ten students, seven students said that the IInd passage was very easy and interesting. Interestingly the students assessment and the teachers assessment correlated well which means

teachers are good in their judgement. Hence this passage was taken for constructing the diagnostic test.

3.5.1.2. Pilot Study: The passage was thoroughly read bу the investigator and questions were framed as per identified levels. Objective type of questions were framed to test the reading levels of students. Initially 30 questions were framed at literal level i.e reading the lines, 30 questions were framed at inferential leve1 reading between the lines and 8 questions were asked at higher cognitive levels namely critical and creative reading i.e reading beyond the lines. The draft reading test with the passage was sent to five judges for their opinion regarding the relevancy and adequacy of each items to test the components of the reading levels that it aims to test. On the basis of the options received from the judges minor modifications in the test items have been made and the test is finalized. The final version of the reading test consisted of 24 questions at literal level, questions at inferential level and 4 questions at higher cognitive levels ine critical and creative reading. The test thus covers all levels of reading skills as conceptualized for the study and therefore may be considered to have content validity. The test items were based on the components of the reading ability at each level, as such the test possess construct validity also. The test in its final form is given in the appendix 1. The final form of the test

was administrated to ten students of IX class hearing impaired students to find out the time taken by the students for answering the questions, and to make sure whether the format of the questions in terms of language clearly understood by the students. Based on the reactions the students minor modifications in the language and οſ used was made for proper and better understanding. format The students took approximately one hour to answer the test. 3.5.2. Description of the diagnostic test constructed: selected passage for diagnostic test construction consists of 105 words, 13 sentences and 15 proper names and syllables. The questions were given in six sections. In the first section 25 questions were given in the form of multiple charce questions. The second section consists of 20 true or false type questions where a statement was given. The student has to identify whether the given statement true or false as per the story. If false, the student has to give the right form of the statement and substantiate his\her answer with the right form of the statement, whereever necessary. The student was given additional for his/her correction. There were 10 true and 10 false items which were mixed up and given. These statements not reproduced from the passage. Only the idea of the story was stated in a different format. In the third section 5 short answer questions were given. While answering this section, the students were permitted to look into the passage and answer. Answers to these questions cannot copied directly from the passage, certain

the structure of the sentence would be necessary. fourth question tested their ability to sequence the ideas in the order of the story through jumbling sentences. fifth section focussed on the summarizing ability of the The students. Three summaries of the passage were given. student has to identify the passage which gives the The complete summary of the passage amongst the three summaries. The sixth section asks the students to complete the story in three positions. In the first passage, the first part of the story was missed. The student has to read the second part and based on that information, he\she has to complete the first part of the story; in the second passage a part of the middle story was left out and the students have to take the help of the first and last part of the story for completing the middle part. In the last passage, last part of the story was missed. The three passages presented in this section, though follows the story of the given passage, do not use the same vocabulary or sentences completely. While answering all these questions students were permitted to read the story given as times as he/she wants and whenever he/she wants it. the finalized diagnostic test for assessing the reading levels of hearing impaired students consisted of questions at different levels of comprehension 5.5 literal, inferential and critical or creative aspects of reading.

3.5.3. Development of the strategies: Based on components of the reading levels, certain strategies were formulated to put to empirical test to find out the feasibility of the strategies to develop reading levels students. Strategies under literal and inferential level were selected and questions were framed on the various components of the skill under literal and inferential level. Five complex sentences were selected and questions were framed on these sentences focussing on the literal and inferential aspects of the idea expressed in the sentences and they were taught to children mainly through reading questioning, reading and questioning strategies in the class. This test was also sent for jury's opinion before finalization. The details regarding the components taught, number of test items for each ability were furnished in the table 3.4

Table 3.4 Strategies tried out at literal and inferential levels

Sentences	Literal	Inferential
	firetai	interential
1.	Identifying main idea, and details	Inferring explicit main idea
2.	Identifying main idea, relating main idea to details.	Inferring exact point
3.	Identifying facts, dentifying the purpose Relating main idea to the purpose.	Inferring explicit details
4.	ldentifying details, purpose, main idea	Inferring explicit details main idea

Identifying the main Inferring exact idea, facts, purpose points inferring and relating main idea purpose. 5. and purpose.

It was observed that students were able to improve their literal and inferential skill with guidance. The following table gives their improvement in different skills during six days of teaching.

Table 3.5 The improvement of reading levels in the students

Reading level	Reading Component			
1. Leteral level	1.Identifying main idea	48.23	55,44	7.21%
	2. Identifying details	15.31	26,42	11.11
	3. Identifying purpose	10.32	15.31	4.99
	4.Relating main idea to the purpose	5,21	7.41	2.20
	5. Relating detai to the purpose		9,32	2.90
1. Inferen tial level	- 1.Inferring explicit main idea	12.86	20.85	7.99
	2. Inferring explicit details	17.92	22.41	4.49
	3. Inferring Exact points	13.24	19.73	6.49
	4. Inferring purpose	10,23	14.26 	4.03

3.5.4. Reading tests in different school subjects

Reading skill is necessary for all subjects. But neither the teacher nor the students in the present educational environment can spare time to develop this reading skill separately. Moreover it is neither desirable nor necessary to develop in an isolated way. Any subject can be used as a medium or tool for developing reading skill in children, if proper planning and direction can be given. This method of using school subjects as a medium of developing reading skill would be advantageous to both teachers and students because they need not spend extra time for this purpose. If teachers can teach their subjects by making use of the potential reading abilities of the students, the teachers can effectively perform their role of facilitator in making the students learn themselves. For students this method would be challanging; may be difficult in the initial stages but as they become accustomed to this process, it would be interesting. Hence school subjects were taken as tools for developing reading skill in students.

Reading tests were constructed in four school subjects namely Talugu, Maths, Biological Science and social studies. In each of these school subjects, presribed text books were studied and a unit which was not taught by the teacher at the time of experimental study, was identifyed. These units in each subject were taken parawise and questions were framed to focus the various components of

reading skill at different levels. Then they were shown to the jury for opinion regarding the coverage of the reading components at different levels and also to the concerned teachers for the coverage of the subject matter. reading test in each subject area for pre and post test was finelized. The valididty of the test was established through and concerned subject teacher's opinion. The jury reliability was tested using the split - half method. The reliability coefficient for the full test works out to 85. Thus six reading tests were constructed and used for various at different phases of the study, purposes regarding the administration of these test were discussed under "sample' of this chapter.

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In view of these studies a few tests were developed to find out the correlation of some of these cognitive aspects such as identification of rhymes, rhyme generation, sentence acceptance, sentence correction reading awareness, short term memory, identification of equivalent meaning; one more passage was identified for assessing the students syntactic ability through cloze procedure. Description of the tools developed or used for the experimental group was described below.

3.6.1. Rhymq identification:

In this test, the students were asked to identify the pair of words which have same sound at the end of the word. This test indicates the students auditory knowledge at the lexical level. Twenty pairs of words were given, out of which only 10 pairs would rhyme. 10 pairs were non rhyming words. The students were asked to underline only the rhyming pairs.

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- 3.6.4. Compound Word segmentation: In this test a compount word was given and the student was asked to split the word at the appropriate point according to the meaning of the word. For eg: "Panasapandu" ()). This word was given without gap in the letters. The student has to split the word as Panasa ()) Pandu () . If the student was able to do it, he\she has the cognitive ability to identify the root word even from inflections.

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3.6.6. Morphogyntactic and lexical awareness: This test aims to assess the students awareness in terms of morphemes, and syntax and lexis. This test was constructed in the form of filling in the blanks. A sentence is given with a blank and two words were given in the bracket for filling up the blanks. Only one of these two words would fit in the blank based on the meaning. The choices given in the words were only "root words. As per the context of the sentence the child has to make necessary changes in the words in the form of plurals, case makers etc. Thus this test not only tests the students' ability to select the appropriate words for

the sentence, but also indicates students ability to use appropriate inflections for changing the word suitably to the context. Hence this test would assess the students ability at morpheme, syntax and lexical levels. 50 sentences were given in this test covering important syntactical structures of Telugu language such as plurals, gender number, case markers, tense etc.

- 3.6.7. Sentence acceptance: This test assessess the the students ability to identify the correct form of the sentence which inturn means his her knowledge of syntax or sentence construction was good. In this test, 50 sentences were given, out of which 25 were with wrong sentence construction at different points of the sentence. The student was asked to "tick" whether the given sentence was correct or not.
- 3.6.8. Sentence Correction: In this test, as in the case of sentence acceptability, 50 sentences were given these sentences were wrongly constructed at some point of the sentence. The student has to identify the wrongly written word, also correct, in accordance with the sentence meaning. The mistakes in the sentence may be like the jumbled word order, wrong case markers, wrong tense wrong negative markers etc. This test focusses on students understanding of various structure in the language in the students sentence construction. This means understanding of syntactical structure and his\her ability to use it could be assessed from this text.

3.6.9. Short term memory: Memory is important for any one and it is much more so for the hearing impaired because, their memory is assumed to be weak due to lack of appropriate and timely reimforcement through auditory channel. especially short term memory is essential at the initial stage of language acquisition for any individual. If this short-term memory is good, the individual can develop his long term memory through number of exercises that transfer the short term memory into long term memory. This is also one of the cognitive dimensions that should be taken care of for developing reading skill in hearing impaired children. Hence this task was given to students to find out the relationship of reading skill and short term memory. Ιn this test the child was shown a set of stimulus words which two words rhyme, other two words would not rhyme. These sets of words were shown only for one second. the students were asked to write the words they have been shown, immediately. The stimulus words would be covered with a paper when the students are writing the words they have seen. Thus this test indicates the capacity of term memory of the students.

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- 3.6.12 & 13. Cloze test: Two stories from a popular magazine was taken and cloze test was constructed deleting every 7th word, leaving first paragraph for understanding of the story initially. Twenty blanks were given which focuses different structures of Telugu language. As cloze test was considered efficient in identifying syntactic predictive ability of the students in reading comprehension, this test was constructed for the experimental groups.
- 3.6.14. Reproduction of a story: A small story was selected from a Telugu popular magazine. The students were asked to read the story and write the essence of the story immediately without looking into the story. This test assess the students ability to grasp and reproduce a story as this ability was very much essential for developing reading skill.
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tems covering aspects of knowledge regulation, planning, evaluation is sessory for developing reading skill. The items the took was finalized with jurry opinion and was administered to a sample of 100 IX class normal children analysis was done to finalize the tool. The reliability cofficient found to be 0.79 for this tool. As the items were approved by the jurry, the tool can be said to have contruct validity. These fifteen tests to jury for judging the construct to be measured by them and them they were administered to normal children and split half reliability was calculated. The split reliability was ranged for these tests from 0.71 to 0.89. Hence these tests can be said to have construct validity and reliabilty.

- 3.6.16. Intelligence test: Cattle's Intelligence test for adolescents in the non-verbal format was used for measuring the intellectual levels of the students.
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3.7. Sample As reading skills were very crucial at high school level, the investigator thought it useful to conduct this study on IX class hearing impaired students so that, the strategies developed would be useful to them for academic achievements. Hence IX class future impaired students in Andhra Pradesh were taken asthe population for the study. This study initially aimed to find out the reading levels of IX class hearing impaired students in the State of Andhra Pradesh. Hence a survey was conducted to find out the initial level of reading of hearing impaired students at class IX. Only those students who were studying in special schools were considered for this study. Hence the sample for this study was purposive sample in the first stage. In Andhra Pradesh there were only nine special schools for hearing impaired children with high school sections. Two were in coastal region run by the government, three special schools were located Rayalaseema region, run by private management, out of four schools situated in Telangana region, three were run by the government, the remaining one school was run by private management. All the students studying in the IXth class these deaf schools were selected. 30 students were coastal region, 48 students from Rayalaseema area and students from Telangana area were taken. Totally students were taken for diagnosing their reading levels. List of schools selected for the study was given below in Table No : 3.6

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 - 3.6.18.Personal data: A personal data sheet was administered to students which elicits information about the family and its background. This data sheet consisted of the

following items (1) Name (2) Class (3) age (4) Parental education-both father and mother (5) Income (6) on set of hearing loss (7) Type of hearing loss (8) Speech problem (9) fathers occupation (10) Caste (11) Other instances of hearing loss in the family (12) age of adminission into the school.

3.6.19. Hearing loss: Students' hearing loss at 500 Hz, 1000Hz 2,000 Hz levels for right and left ears were taken to study whether the hearing loss affects the development of reading skill in hearing impaired children.

3.6.20. Instructional modules: In each school subject instructional modules were prepared. Only four subjects were taken for this study. Telugu, Mathematics, Science, and Social Studies. In sciences also only biology units were taken. In each subject, a unit which had to be covered by the concerned teacher at the proposed time of the experiment was taken. These units were thoroughly studied by the investigator and split into different paragraphs based on the concepts presented, and questions at literal and inferrential levels were constructed to stimulate students thinking. These questions were given as pre and post tests to assess the students reading ability before and after the treatment with strategies. All these questions were very short answer questions at different levels of understanding, All these questions cover the concepts to be taught in that particular subject as per the syllabus.

3.7. Sample As reading skills were very crucial at school level, the investigator thought it useful to conduct this study on IX class hearing impaired students so that, the strategies developed would be useful to them for their academic achievements. Hence IX class future impaired students in Andhra Pradesh were taken as the population for the study. This study initially aimed to find out the reading levels of IX class hearing impaired students in the State of Andhra Pradesh. Hence a survey was conducted to find out the initial level of reading of hearing impaired students at class IX. Only those students who were studying in special schools were considered for this study. Hence the sample for this study was purposive sample in the first stage. In Andhra Pradesh there were only nine special schools for hearing impaired children with high school sections. Two were in coastal region run by the government, three special schools were located 1nRayalaseema region, run by private management, out of four schools situated in Telangana region, three were run by the government, the remaining one school was run by private management. All the students studying in the IXth class in these deaf schools were selected. 30 students were from coastal region, 48 students from Rayalaseema area and students from Telangana area were taken. Totally students were taken for diagnosing their reading list of schools selected for the study was given below in Table No :3.6

Table No: 3.6 Sample Laren for diagnosing the reading levels of hearing impaired students at IX class level.

Na	me of the School	Place	No.of Students
1.	Andhra Region		
1.	Govt. School for the deaf	Baptla	20
2.	Govt. High School for the deaf	Kakinada	10
		Total	30
<u>II'</u>	<u>Rayalaseçma</u>		-
3.	Helen Keller School for the deaf	Cuddapah	8
4.	CSI School for the deaf	Punganoor	20
5,	S.V.SChool for the deaf	Tirupati	20
		Total	48
<u> []]</u>	.Telangana		
6.	Sweekar Special School for the deaf	Hyderabad	13
7.	Govt high School for the deaf	Malakpet Hyderabad	20
8.	Govt.School for the deaf	Karımnagar	12
9,	Govt.School for the deaf	Mirıyalguda	19
		Total	64
	Total sample from three	regions 30 + 48 +64	= 142

Phase II: ine phase II study consists of the experimental design. For the experimental part of the study, the pre-test treatment post-test design was selected. The treatment was conceptually developed reading strategy for the development of reading abilities in children.

In the second stage, one of the schools of the hearing impaired was selected to try out the strategies developed to improve their reading levels. In the second stage also the selection of the school for the experimental study was purposive as there was only one school available Tirupati, where the investigator was residing. As experimental design planned requires a minimum of one month, it was not feasible to select schools outside the residence of the investigator. Hence the investigator selected the locally availble school for the deaf and conducted the experiment. Therefore the sample at the second stage was also purposive. The class as a whole was taken for the study. Hence the sample was purposive at the school level and cluster at the class level.

3.8. Experimental Design: The taught group for the experimental purpose was selected on the basis of the availability of the schools i.e locally available school was selected. As there was only one school which offeres schooling to deaf children in Tirupati. Hence this school was selected for the experimental study. The total number of children in the IX class was divided into two halves of almost equal ability, judged from their achievement levels

in each subject. One group was given treatment another group was kept as control group, where the lessons were taught in the ordinary regular routine way. For both the groups pre-test and post-test was given for each instructional module. The following were number of instructional modules developed in each subject.

3.7. Number of instructional modules levels of reading skills of practiced

Subject No.of Instru- ctional		No of	No. of questions asked				
		Lite- ral	Inferen Expli- cit	ntial Impli- cit	Critı- cal	Creat- ive	
1.	Telugu	8	39	20	3	1	1
2.	Scienco	15	80	11	4	1	2
3.	Social Science	11	89	10	3	1	1
4.	Maths	10	92	7	3	1	1

Questions in each module was prepared at each level and they were given for pre and post tests. At the beginning of the each module the Pre-test questions were given to assess their understanding in the concept to be presented. Same questions were again given to the students both for experimental and control group after the concept is being taught to the experimental group with reading strategies and for control group in the normal routine regular teaching. Apart from this reading tests in each subjects, the target

group both experimental and control groups were administered an intelligence test, tasks reflecting their cognitive level of development in language, personal data sheet indicating the socio-economic educational background of the students, mean achievement scores of the students in the quartely and half yearly examination in the concerned subjects were collected for analysis

3.8.1. Treatment: As explained in the above sections one unit was selected in each subject, questions testing the reading ability of the students were framed and these questions were used in the pre-test and post test. For a day, only two or three modules were taken for the experimental group in one subject only; once the teaching was over for the experimental group, the same concepts were taught to the control group children by the same teacher. Thus teacher variability was eliminated.

First the class was taken for the control group with pre and post tests. The students in the experimental group let off for play during this period. Soon after the lesson was over for the control group experimental group was taught the same concepts with pre and post tests. Only one period was taken in a day i.e 45 mts duration was for both the groups in any one of the every day For each subject approximately one week 10 subjects. days were taken for finishing the unit taken. Hence the instruction took approximately 35 days to In the 45 mts duration the concepts were directly explained

to the students in the control group. Where as in the experimental group the students were first of all asked to read a paragraph, then read the questions given below and answer them by looking into the paragraph without explaining the concept embedded. Each time the child feels difficult answer, the child was asked to read the lines in the paragraph which gives the answer and them their attention was focussed on how to identify the key ideas or concepts of the sentences or paragraphs. Similarly the students were directed to the lines for reading and inferring through promptings, clues, if necessary reframing of Once the students were able to give complete or partially correct answers, the students were given another sheet having the same paragraph with same questions but with answres provided for each questions. The students were again asked to read the paragraph, read the question and answers and justify or contradict whether the given answer correct or not indicating the lines reflecting their through discussion. Final consensus was dierived for right answer for each question. These strategies followed in each subject field. Increase in their reading ability was measured through pre test and post tests given to them.

3.8.2. Emerged strategy: The conceptualized strategies for different skills as described "under instructional techniques for the practice of strategies were implemented in the classroom situation and in practice some

modifications are made in reconsifying strategy and creative strategy.

Identifying strategy: In identifying strategy since the students were unable to identify the key cord, key sentence and key idea of the paragraph after reading the paragraph, another step was introduced. The meaning of each sentence was given and students were asked to read the sentence in the paragraph which gives that meaning. Then they were asked to identify the key word, key sentence and key idea of the paragraph and them reason for their decision.

Creative strategy: In the conceptualized strategy the students were asked to suggest applications of the concept learned. But in practice, this tactic did not work with this particular group of students (as the students did not give any new examples). However, the investigator thinks that if the teacher gets response to this tactic, the teacher could include this step also in his/her strategy. The investigator also feels if there was no restrictions on time, the teacher could stimulate with prompts and cues and get appropriate responses from the children.

3.9.Statistics used:

Following were the statistics used to analyse the data collected

1. Mean and standard deviation for the sample survey group and the experimental group

- 2. Percentages for the difficulty level of the each component of the skill
- 3. 't' values for pre test, post test scores.
- 4. Correlations for tests measuring cognitive level of language and the students achievement scores.
- 5. Factor analysis of the reading levels and other variables, including hearing loss at three levels.
- 6. Split half method of reliability co-efficient.

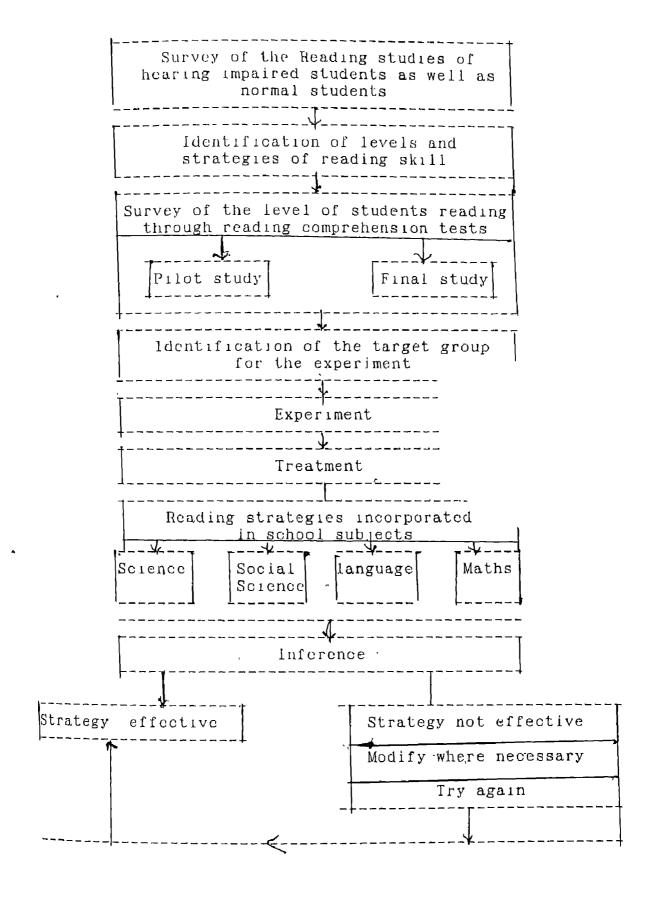
3.10. Conclusion:

Thus the investigator analysed the problem in terms of levels of the skill, undertook a survey cum experiment to develop reading ability of IXth standard students and analysed the data with appropriate statistics.

A. Flow chart for the experimental design :

Re	eading the unit passage not explained	
Rea the	ading the questions and writing e answers referring to the passage	pre-test
·	Reading the passage again (Passage Explained)	
Teacher	rs intervention through tacties such as	
(1) (2) (3) (4) (5)	Focussing on the lines for answer Prompting with initial start Cuing the key word the answer Reframing the answer or questions Summarizing points	
if the	ding the questions and answers and ing out why the given answer was right e answer was right if the answer was erent from what they have written	L
	Reading the passage again	
	Answering the same questions mitted to refer to the passage when the feel like refering	st test

Flow chart for the study



CHAPTER IV

ANALYSIS AND INTERPRETATION OF THE DATA

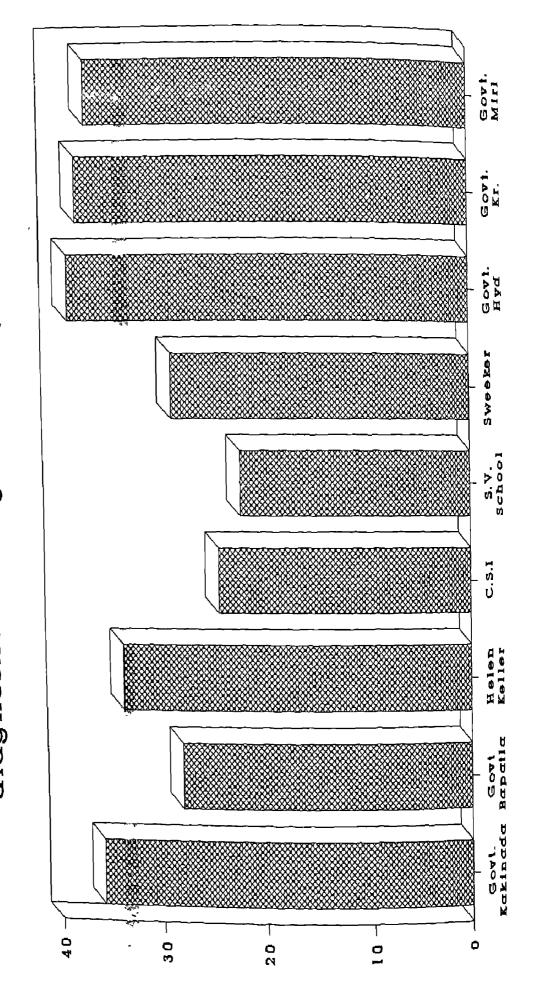
The data collected as described in the previous chapter wre analysed using the following statistics - Mean, standard deviation, percentages 't' values., correlation coefficient and factor analysis. The details were presented in this chapter.

4.0. Scheme of data analysis:

The collected data from the three phases of the study were analysed using relevant statistics starting from the simple descriptive analysis, and proceeds to correlational and differential analysis and finally to factor analysis.

Phase I Results: In the first phase a diagnostic reading test was constructed and administered to a sample of 142 IX standard hearing impaired students who were studying in different regions of Andhra Pradesh. The test covers 90% of the conceptualized reading ability. The precentage of students who gave correct answers were calculated. The scores were converted into percentages to find out the difficulty level of the items. The following table no 4.1 gives the mean percentage of students and their standard deviation in different schools and also region wise means and standard deviation.

Fig.2 Mean percentage of the students in the different schoolsin the diagnostic reading comprehension test



sample in the diagnostic reading test regions& for the total Fig. 3 Mean % of the students in different

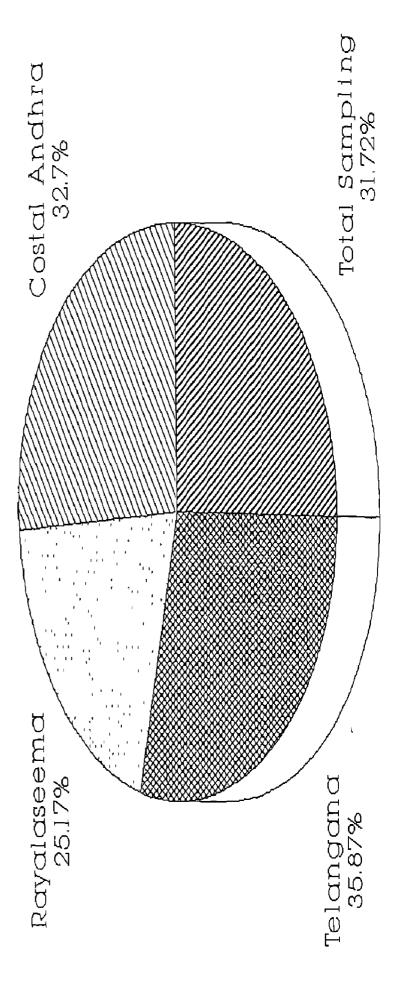


Table 4.1. Mean percentage and standard deviation values of the students in different schools and in different regions in the diagnostic reading comprehension test.

	Schools	Region	Mean	S.D
1.	Govt. High Schoo for the deaf Kakinada		35.8	8.10
2.	Get school for the deaf Bapatla	Andhra	28.05	6.62
	Andh	ra region	32.7	8.45
3,	Helen keller School for the Deaf Cuddapa\h	_	33.75	5,97
‡ .	C.S.I School for the Deaf Punganoor	Rayalaseema	24.5	8.66
5,	S.V.School for the Deaf Tirupati	Rayalaseema	22.4	4.57
	Ray	alaseema region	25, 17	7.845
· ·	Sweekar school Hyderabad	Telangana	28.92	17.83
7.	Govt. School for deaf Malakpet	Telangana .	38.75	13.00
}.	Govt. School for the deaf Karım nagar	Telangana	37.85	
),	Govt. School for the deaf Miriyalaguda	Telangana	36.84	
		Telangana Total		
	Total sample mea	n & S.D	31.7	

table 1.1 it can be observed that amongst the the From students from nine schools, higher mean scores were observed in schools situated in Telangana region, next comes from Andhra region and lastly the students from Rayalaseema region. Variation was also appears to be high in schools from Telangana region compared to other schools from other This means the students reading comprehension regions. levels appears to be high as well as quite varied in students from Telangana region. The results also indicate that the students from government schools seems fared better than the students from private meanagement means reading comprehension levels This schools. oſ students in government schools, seems to be better than the reading comprehension levels of students in privately This in turn also implies that managed schools. students in government schools might be receiving better attention, coaching either by the teachers or by the parents than the efforts, received by the students of privately managed schools.

The over all mean score for the total sample in the diagnostic reading test was only 31.72 and the variation appears to bu 11.60 which means the reading comprehension levels of hearing impaired children was quite low, not even reaching 32% level. The variation of 11.60 for a sample of 142 was quite high and indicates that the students were at different levels of reading comprehension in the diagnostic

reading comprehension tests which in turn means the group was quite heterogeneous in their abilities to read.

The IX class students' reading comprehension level ranged from 22.4% to 38.25% and variation ranged between 2.675 to 17.83. Highest mean value was observed in one of the schools from Rayalaseema region. In the case of variation both lowest and highest variations were observed in the schools from Telangana region.

Fig.4 Mean percentage of the students in the different levels of reading comprehension test

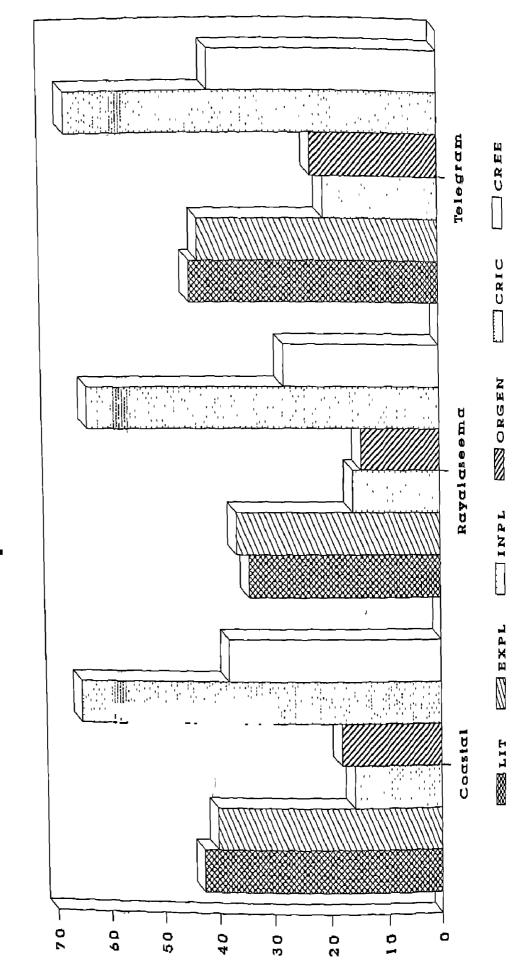


Table 4.2. Achievement levels of students in different levels 0f reading

		COMPT CITCIFE			 	 	! ! ! !	
t t	 		Literal	Explicit Inference	Implicit Inference	Organi- zation	Criti- cal	Crea- tive
1 Q T 1	Total No. Quest- tions	 	26	13	16	⊢	4	Oı
- b-4-7	Coastal	Mean %	11.3 42.62%	5.23 40.23	3 96 15,84	2. <i>7</i> 18%	2.6 55%	4,36 28%
	No. 30	S.D	3.05	1.00	2.31	-		3.42
	Rayala- sema	Mean	8.92 34.30%	4.75 36.54	4.00 16%	2.17 14.47	2.53 63.25	4.75 27.94
		S. D	16	1.47	2.37	1.21	, <u>,</u>	1.76
<i>د</i> ب -	Telangana No. 64	Mean %	11.62 44.69% 4.73	5.60 43.08 2.15	5, 20 20, 8% 2, 78	2.50 2.50	2.67 66.75 1.2	6. 98 41. 06 4. 43

4.1.1. Act. 16 vement levels of students in different levels of reading comprehension region and school

From the table 4.2, it can be observed that the performance of the students in each region at different levels of reading comprehension was quite varied. general, in all three regions the performance pattern appears to be similar. Their performance level appears to highest in critical questions, next came literal questions explicit inference, creative questions, implicit inference and finally organization. These results indicated that students appeared to be good in independent thinking as critical questions are questions that involve independent views on certain points. Next in order was their ability to answer correctly more number of literal questions. Ability to infer from explicit statements occupied third position, ability to think in a novel or creative way was their next order ability. Their ability to infer implicitly, and organize the ideas seems to be lowest. means, hearing impaired students' were capable of reading at different levels, though their level was considerably low. In the first level 1,e reading the lines, they were not very sensitive to the organizational aspect and in reading between the lines they were less sensitive to getting facts or opinions through implicit inference.

Performance range of students in different types questions given for

assessing difficulty levels of studnets - regionwise and schoolwise.

ı	Andhra	Region Telangana	Rayalaseema	Total Sample
1. Details (11teral)	6,67 - 96,67	7 9.38 - 95.31	8.33 - 87.5	11.35 - 93 16
2. Main idea (Implicit Inference)	0 - 33.33	3 7.81 - 5.0	14.58 - 31.25	14.13 - 30.42
3. Details (Explicit Inference)	6.67 - 93.33	3 20.32 - 59.38	8.33 - 43.75	14.44 - 48.47
4. Details Implicit inference	0.1 - 86.67	7 0 - 84.38	0 - 60.47	0.03 - 68,42
5. Critical 0	- 6.67	7 0 3.13	0 - 4.13	2.22 - 4.66
6. Creative 4	44.67 - 100	43.75 - 67.19	22.92 79.17	37.11 - 65.45
7. Organi- 0 zation	- 56.67	7 1.56 - 45.32	0 - 0.83	1,91 - 61,25
8. Summary 1	13.33	18.78	8.33	13 47 - 61.25

.

the table 4.3 it can be inferred that From 1 n the total sample. Variation in students performance was highest in questions eliciting detailed information of the story the literal level. (11.35 to 93.16). Next in order questions eliciting details through implicit inference questions, organization of story comes third in order variation, explicit inference questions occupied 41.h position followed by creative questions, eliciting main idea critical reading questions and lastly summarizing; level of performance was observed in organization and the performance observed literal questions. $1 \, \mathrm{n}$ Regionwise performance was also followed similar which means the students might have felt the organization of the story most difficult and the literal questions Wide variance in the students performance levels easiest. in different types of questions indicate that students abilities were quite different. Their maximum performance ' level did not reach even 5% level in critical reading, in summarization and 35% in inferring main idea which means students need to be taught in these aspects ın their academic exercises, as these aspects of reading are very much essential for academic prospects of hearing impaired students. The fact that their performance was better creative reading indicates that the hearing impaired can Original thinking. Amongst the three regions the highest and lowest performance level was observed in Andhra region in all aspects of reading except three aspects

ereative reading summarization, and inferring main idea. In inferring main idea, the performance of students in Telangana region appears to be better where as in creative reading lowest and highest performance was observed in Rayalaseema region, in summarization also the students from Rayalaseema region performed very poorly.

Table 4.4 Schoolwise range of performance of students in different types of questions assessing reading abilities of students.

Reading aspect	ot ing	Kaki- nada	Baptla	Sweekar	Malk- pet	Mıriyal- gudem	Karim	S.V Tıru- pati	Punga- nur	Cudda- pah
1. De	Details (literal)	30-100	10-95 2	2.3-92.3	5.95	0-100	5.2-967	0-87.5	0-100	0-100
2. Ma	in idea	0-30	10-40 7	7.9-62.2	20,65	8.3-75	10.5-73.6	16.67-33.33	0- 30	0-26
3. De (H	Details (Explicit Inference)	0-40	0-50 7	7,6-65.0	0-90	0-100	5.2-57.8	12.5 -43.75	0- 40	0-12
4. De (1	Details (Implicit Inference)	0-100	10-85	0-68.5	0-90	0-91.6	0-94.7	0-80	0-75	0-100
5. H.C.	Critical reading	0	0-10	0	0	0.5-31.5	0-35.13	0-5	0 - 5	0 - 5
6, C	Creative	50-100	23-100	38.4-61.5	10-80	31.5-83.3	26.3-100	0-79.17	35-100	12.5-100
7. 0	Organiza-	0- 80	0- 45	0-38.4	0-50	0-16.6	0-73.6	0-75	0-90	0-100
•	tion Summary	0	20	15.3	-20	0	31.5	25	25	15
	1 1									

4.1.2 School wise range of rerformance of students in different types of questions:

From the above table 4.4 it can be abserved that students performance level was Zero in four the namely all three schools in Rayalaseema region and school in Miriyalguda, which means the students were unable to get details from reading the text at literal level for one question. Similarly in other aspects also performance was observed in three schools (two schools Rayalaseema region and one school in Andhra region) ın inferring main idea; In six schools (two schools in each region) similar performance was observed in explicitly inferring details. In all the schools there were students with zero performance in the case of questions eliciting through implicit inference; similar details was the performance for "organization of information and critical reading i.e zero performance observed in all schools. in case of inferring details through implicit inference, zero performance was observed in eight schools. were not able to do the summary in two schools. Only in the case of creative reading zero performance was observed in school. This result indicates that the students were not given focussed training in any of the schools in reading aspects. Inspite of this lack of proper training their better performance in creative reading questions indicate that hearing impaired children were capable of creative thinking in reading.

Table 4.5 'i' values computed for different legions in different components of the reading passage and its significant levels.

 -		Andhra Vs Rayalseema	Andhra Vs Telangana	Rayalaseema Vs Telangana
1.	Literal	2.54* A>R	0.73	3.25 ** T>R
2.	Explicit Inferençe	1.45 Ns	1.19Ns	2.29 *** T>R
3.	Implicit Inference	0.098Ns	2.33* T>C	2.14 T>R
4 ,	Organizution	1.76 Ns	5.76 ** T>C	3.45** T>R
5,	Criticaļ reading	0.24 Ns	0.291 Ns	0.583 Ns
6.	Crative	0.010 Ns	2.70**	2.71**
	* 0.05 ** 0.01	level significance level significant	Ns Not signi A Andhra reg R Rayalseema T Telangana	ion region

To find out whether the observed difference in the students performance was due to real difference in their abilities or due to chance factor 't' values and their significant levels for each aspect of reading between regions were computed. From the table 4.5 it can be observed that the performance of hearing impaored students in Andhra and Rayalseema region did not difer much in all aspects of reading excet at literal level, where in the performance of

Andhra students was better than the performance of

Rayalaseema region as significant 't' value was observed literal level Between Andhra and only at Telangana the students performance levels differeed in three aspects namely implicit inference, organization and creative In all these three aspects the students reading. from Telangana region fared better than students from Andhra Between Rayalaseema and Telangana, significant 't' region. values were observed in all aspects of reading except critical reading which means the abilities of students differed in these two regions and in all aspects, students abilities in Telangana region was better than the students abilities in Ralaseema region.

On the whole the students in three regions did not differ in their performance levels only in critical reading. Students from Telangana region showed best performance and students from Rayalaseema region showed lowest performance levels where as students from Coastal Andhra region stands in between the performance levels of these two regions, though their performance was not significantly different from Rayalaseema region in all aspects except for literal level questions.

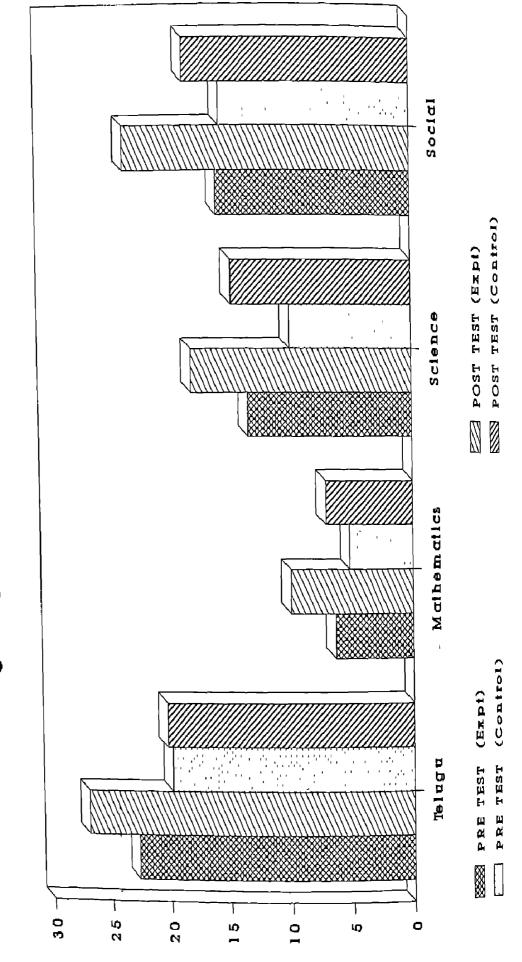
In brief the analysis of the diagnostic reading test for hearing impaired students indicated that the hearing impaired children were capable of reading at different levels, though their performance level was quite low. Explicit training is required to these children to increase

their level of understanding especially at implicit inference, organization critical reading and summarization and to strengthen their abilities to read at literal level, explicit inference and creative reading levels.

Phase II Experimental data analysis

4.2.1. Descriptive analysis: As described in the earlier chapter one of the schools for the hearing handicapped available in Tirupati was taken for experimental study. The target class i.e IX class students in the school were divided into two groups, one group chosen for experimental purpose, the second one kept for control group. Units selected from four subject text books i.e Telugu, Maths, Biological Science and social studies were taken for incorporating reading strategies in the units to be taught. Three levels of questions were incorporated. They were literal, explicit inference and Implicit inference. The Experimental group was taught with the help of instructional material prepared incorporating the reading strategies where as the control group had regular teaching method. Same pretest and post-tests were given to both the groups. The following table

post test for central and experimental group in different subjects Fig.5 Mean scarse for pre test and



4.6. Mean and standard deviation scores for pre-test and post- test scores for both experimental group and control group.

	Experim	nental g	roup				
	-test		 t-test			ol grou	q!
Mean				pre 	-test 	Post	 -test
	S.D 	Mean	S.D	Mean	S.D		
1.Telugu 22,66	3.52	26.91	<u> </u>			Mean	S.D
2. Maths 6.41	1,44	10.00	6,03	19.84	3.06	20.23	2.57
3.Science13.33	5.28		0.81	5,23	2.22	7.15	2.98
4. Social 15.83	3,62	18.00	1.52	10.00	4.00	14.07	
	3.02	23.50	3.33	15.53	3.78		1.38
Thomas de						18,53	3.25
From the	table	4.6. 1	t ==:				

From the table 4.6, it can be observed in both experimental and control groups, the performance appears to be better in the post-test. Variation appears to be highest in the post-test performance of students in Teluguelanguage units and lowest in mathematics post-test.

However when 't' values were computed for pre-test performance of both experimental and control groups it was found that 't' values were not significant even at 0.05 level in any of the subjects which means the mean differences observed in these two groups in the pre-test performance were due to chance factor rather than the real difference in their performance in different subjects.

Similarly 't' values were computed for the mean differences observed in the post test performance of the two

groups. It was found that the 't' values were significant at 0.01 level in all subjects: The higher mean values observed in the experimental group indicated that the students performance was better in the experimental group than in the control group.

't' values were also calculated for the pre and posttest performance of the experimental group and the control
group. The results revealed significant 't' values in all
the subjects in the experimental group and indicated that
the students in the experimental group performed better in
the post tests. But in the case of control group, though
higher mean values were observed in the post-test performance, the mean differences were not significant for any of
the subjects which means that there was no real improvement
in the pretest and post test performance of the controlled
group.

From these results it can be inferred that the instructional material prepared incorporating the reading strategies improved students performance in all subjects. Table 4.7 't' values and their significant level for pretest and pre-test scores of control and experimental group, post-test scores and post-test scores of control and experimental group and pre and post-test scores of control group and experimental group.

4.7. 't' values and their significant level for pre-test and post-test of control and Experimental group

Subjects	Control Vs Expt pre-test	Control Vs Expt post-test	Control group pre & post test	Expt group pre & post test
1. Telugu	2.14@	3,55**	0.33 @	3.23**
2. Maths	1.563@	6.78**	1.79 @	7.83**
3. Science	1.79 @	4.85**	2.12 @	3.19**
4. Social	0.202@	3.78**	2.08 @	5,62**

[@] Not significant
** Significant at 0.01 level

Experimental and control groups achievement was compared in term of different levels of understanding The results showed that in control group, except in Maths, the students performance was significantly better in understanding literal level questions in the post-test in all other subjects. Students also fared better in explicit inference in the post-tests for Telugu, Maths. However the case of implicit inference, they did not showed performance in the post-test in any of the subjects as the 't values were not significant for these questions pre and post-test performance. But Ιn the case οf experimental group ın all levels subjects at alli.e literal, explicit inference and implicit inference, the students performance was better in the post test performance as the computed 't' values for pre and post test performance were significant at 0.01 level in all subjects and at all levels Table 4.7 gives the 't values at different levels of comprehension for both control and experimental group.

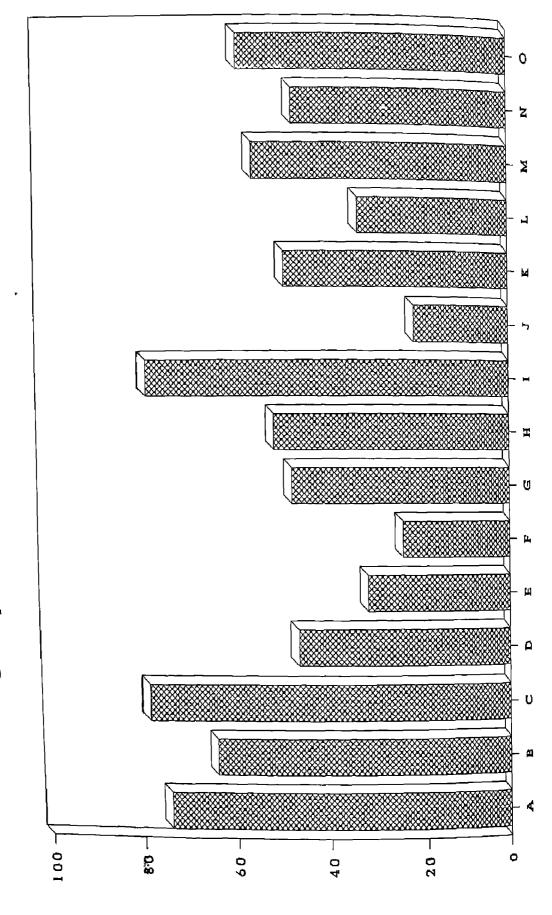
Table 4, 8, 't' values at different levels of comprehension for both experimental group

6.41** 4.42** 2.62** 2.87**					
	3.59**	1.92@	. C C C 他		
			1 カ り	2.19@	4. Social
	בר 	2.17@	1.75@	2.24@	o. scrence
3.75** 4.59**	3.75**	2.12@	4. by**		200
3.48**	() ()			× ₩ ₩	2. Maths
	л ч ж ж	1.13@	3.26**	2.27@	1. Telugu
infe.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Explicit Implicit	Literal Ex	Implicit Inference	Inference		
	E TO TO THE TOTAL PROPERTY OF THE PARTY OF T		Control group	1 + 0 1 2 1	Subjects

[@] Not Significant

^{**} Significant at 0.01 level

Fig.6 Mean percentage of the target group students in various tests



From the table 4.8 it can be inferred that the reading skills of the experimental group has improved at all levels which means that the strategies incorporated in the instructional material might have helped the students to improve their reading skills. This in turn means that if hearing impaired students are given opportunities for reading with focussed direction, they can improve their reading skills. This type of focussed direction can be practised in any of the school subjects along with teaching of the lesson.

Table 4.9. Mean and standard deviation for the various tests

administered to the target group and their rank

order of performance.

	Name of the test	Max.	Mean	S.D	Percen- tages	Rank order Mean	Rank order S.D
1.	Rhyme generation	20	16.8	1.83	74.0	III	XIV
2.	Rhyme Identifi- cation	10	6.3	1.23	63	IV	XVII
3.	Syllable seg- mentation	20	15.66	2.92	78.30	II	VII
4.	Compound word segmentation	20	9,33	1.79	46.65	ΧI	χV
5,	Compound word identification	25	8.06	2.39	32.24	XII	ΧI
6.	Morphosyntactic lexical awareness	50	12.53	2.77	25.06	XIII	VIII

7	7. Sentence Acceptance	50	24.2	3.37			
8	. Sentence correction	50			, 0 , 4	IX	VI
9	. Short term memory	20	15.73	4170	54.72	All	IX
10	hension passag	re	~0.75	1,95	78.65	I	XIII
1.1	with questions objective type	100	22,4	4.57	22,4	XVI	ν
11	. Identification of equivalent meaning	20	9.93	1.67			٧
12	. Cloze reading .passage I	25	6.00		49.65	AIII	XIV
13,	Cloze reading passage II	50		2.12	24.00	XV	XII
14	Reading	25		6.98 2.58	56.00	ΛI	ΙV
	passage for reproduction		9.20	4. SU	24.80	XIV	X
15	Reading Aware- ness Index	40	19 4	4.71	47.5	X	III
16	I Q	_	72.86 13	62	_		-11
17	Achievement	100	59,07 29		_	v	II
	*****	 -				*	I

4.2.2. Analysis of the measures of other variables

From the table 4.9 it can be inferred that the mean IQ level of the target students as measured from the culture fair Cattle's intelligent test was 72.86 which means they were slightly below average in intelligence. The variation in the I.Q test appears to be highest compared to other test which means the groups intellectual ability was quite varied.

Students performance was above fifty per cent level in six tests namely short term memory, Rhyme generation, rhyme identification, syllable segmentation, cloze passage II and sentence correction. In four other tests namely sentence acceptance, compound word segmentation, identification of equivalent meaning and reading awareness index, their achievement level ranged above 46% and below 50%. In the remaining six tests, namely compound word identification, morphosyntactic lexical awareness, reading comprehension test with objective questions, cloze passage I and reading passage for reproduction, the performance of the students did not reach even 35% level.

The highest achievement in short term memory test indicates that the students are good in their short term memory (78.65%). Higher achievement scores in rhyme géneration (74%) syllable segmentation (78.30%) rhyme identification (63%) indicates that students were sensitive to syllable boundaries and rhyming sounds in the language.

Their better performance in cloze passage II (56%) sentence correction (51.72%) also indicates their fair and understanding of the syntactical context of the passage. Average performance levels of students in tests such as compound word segmentation, sentence acceptance, Identification of equivalent meaning, reading awareness indicates that students abilities need to be strengthened in these for their better academic achievement. aspects Low performance observed in the area of compound word identification, cloze passage II, morphosyntactical lexical awareness, reading passage with objective test questions, and reading passage for reproduction indicates that students have difficulty in identifying compound word, understanding the changes occuring in the words in the context, understanding a reading passage and reproducing it with important points.

of all the test given, students performance was very much varied in cloze passage Ii (sd.6.98) next, comes reading awareness Index followed by reading comprehension test with objective type questions, sentence acceptance, syllable segmentation, morphosyntactic lexical awareness, sentence correction, reading passage for reproduction, compound word identification, cloze passageI, short term memory, rhyme generation, compound word segmentation, identification of equivalent meaning and finally rhyme identification. These results indicates that the students

understanding of the individual words appears to be better than their understanding in the context which needs to be focussed in their academic life.

However their regular achievement level appears to students varied very widely in 59.07% and the achievement, as variation was 7.59 for a sample of students which indicates that students differ very widely in their abilities. One more interesting observation that can be made from their achievement score was that the mean performance of the students in this group was above 50% level i.e above average level. This was not been reflected in the intellergence test given to them where their performance level was shown to be below average 72.86 I.Q. This means the intelligence test scores cannot be taken as a of performance abilities of hearing impaired children of this group.

Hearing loss; The students hearing loss ranged from 75 to 100 at 500Hz, 80 to 110 at 1000 Hz and 85 to 110 at 2000 Hz for both right and left ears. This means the students have profound hearing loss. These children had hearing loss right from the birth. Their hearing loss was sensory neural.

4.2.3.General back ground of the students: There were 10 girls and 15 boys in the experimental group. Their age ranged from 16-20 yrs. All the students admitted into the school very late i.e from seventh year to 9th year. Except in three cases in all other cases, there was no other person

suffering from hearing loss. Amongst these children eleven members were from forward caste, another eleven members were from backward community and the three students were from SC Amongst these children, one student does not category. possess any sibling. Two students have siblings with below normal condition. All the rest have normal siblings. Seven of these students' parents' income was above 15,000; the remaining have below 15000 income per year. Except candidates' mother, all others were house wives' only. candidates' mother was a coolie. Which means the students' does not get proper assistance from their mother. regard to fathers' occupation, six were doing daily wages, eight were having agriculture work or business, six having IV class employment and the remaining three doing job at middle level. Only two mothers were educated up to X class, one was educated up to intermediate, two were studied up to 7th class, four were studied upto 5th class , and two have studied up to three only. The remaining mothers were illiterates only. In the case of fathers, only one father had degree, another had education upto inter, six others had studied up to tenth level. Three fathers had education at seventh class level and one father studied up to 5th class level. The remaining fathers were illiterates. This means the socio economic background of the students were very poor and even the educational background of parents were very low. This in turn means the students not be receiving required assistance for academic progress

in their homes which might be the probable reason for low achievement level of students in various reading passges.

4.3 Comparative analysis: To find out if there any difference in the performance levels of students based hearing loss, the experimental sample was divided into groups as follows. 85db and below hearing loss one group and above 85db hearing loss as another group at 500Hz level and 95db and below as one group and above 95db another group at 1000Hz level and 2000Hz level for both the ears and their performance was observed. It was found out that values computed for these two groups '1.' were significant in any tests except in one test namely compound word segmentation, which means the students performance did not differ based on their degree of hearing loss. the compound word segmentation test the 't' value significant only at 0.05 level at 500Hz level for the ear. In this case surprisingly students with higher of hearing loss in the left car at 500Hz performed than their counter parts who have lesser degree of hearing loss.

This result indicated that the performance of the hearing impaired children need not necessarily dependent on the degree of hearing loss especially with reference to reading comprehension skills and syntaactic abilities of children.

Table 4.10 't' values computed for the performance of students in different tests based on the degree of hearing loss at different levels for both right and left ear

Nam	e of the		light ea	r		left ea	
Tes	t 	500 	1000	2000	500	1000	2000
1.	Rhyme generation	0.447	1.049	0.401	0.055	0.447	0.472
2.	Rhyme Iden- tification	0.609	0.483	0,866	0.208	0.609	0.997
3.	Syllable segemen-tation.	0.277	0.069	0.331	1.207	0.277	1.203
4.	Compount word seg- mentation	1.295	0.494	0.221	2.427	1.295	1.130
5.	Compound word ident!- fication	0 727	0.554	0.209	0.360	0.727	0.564
6.	Morpho syntactic lexical awareness	0 704	1.104	1.013	1.480	0.704	0.334
7.	Sentence Acceptance	1.190	0.734	0.676	0.764	1,190	1.235
8,	Sentence correction	0.178	0.178	0.013	0.228	0.178	0,576
9,	Short term memory	0.874	0.874	1.033	0.409	0.874	0.305
10	Reading passage with objective type questions	0.140	0.552	0.704	0.892	0.140	1.018

I	Reading passage cloze II Reading passage	0.315	0.121	0.124	0.142	0,315	
		1 055				0.019	0.485
p	reproduction	1.830	1.205	1.428	0.788	1.830	1.485
a	Reading wareness Index	0.650	0.323	0.681	1.343	0.650	1.608
15 _, I	Q	0.371	1.214	0.036	0.978	0.371	0.964
ca eq	entifi- tion of uivalent aning	1.180	0.486	0.457	0.555	1.180	1.874
	hievement ores	0.291	10.464	0.436	1.627	0.291	0.668

4.4 Correlational analysis: To find out the relationship among these tests correlation was computed for all the tests. Table 4.10 gives the 'r' values for various tests administered to the experimental group.

4.11 'r' values, and their significant levels for correlated variables

. No 	Variable	Со	rrelated variable
•	Rhyme generation	1.	Short term memory 0.05
	4 variables 2	2.	Index of reading awareness
		3. 4.	IQ - 0.01 - ve Explicit Inference (0.05)

- Rhyme [dentifi-2. sentence correlation 0.05 - ve 1. cation: 5 variables 2. Short term memory 0.01 - ve Cloze Reading passage II 0.05 - ve З. Mothers' Occupation, 0.05 4. Hearing loss at 2000 Hz in the 5. left ear 0.05 Syllable segmen-3. 1 Sentence correction 0.05 - ve tation: 4 variables 2 Short term memory 0.01 - ve 3. Cloze Reading passage II 0.05 Family Income 0.01 4. 4. Compound word 1. Hearing loss at 500Hz 0.05 segmentation: in the left ear 2. Hearing loss at 1000 Hz 0.05 2 variables in the left ear · 5. Compound word 1. Reading passage for reproduidentification; ction 0.05 2. Mothers' Education 0.05 3 variable 3. Family History i.e occurance of hearing loss in the family 0.01. 6. Morphosyntactic 1. Sentence acceptance and lexical 0.05° awareness: 2. Short term memory 0.01 3. Reading passage with objective type questions 0.01 8 variables 4. Mothers education 0.05 5. Fathers occupation 0.05 6. School Achievement level 0.05 7. Implicit inference 0.01 8. Creative Questions 0.01 7. Sentence 1. Reading comprehension passage acceptance:
 - 7 variables
- with objective type questions 0.05
- 2. Gender 0.05 - ve
- Fathers Education Э.
- Mothers Education 0.05 4.
- 5. Fathers occupation 0.05
- Siblings status 0.01 ve 6,
- Literal questions 0.05 7.

Rhyme identification 0.05 - ve 8. correction: Syllable segmentation 0.05 - ve 2. Family income 0.05 - ve 3. Explicit Inference 0.05 4. Rhyme generation 0.05 - ve Short term 1. 9. memory: 2. Rhyme identification 0.01 - ve 8variables Syllable segmentation 0.01 3, Morphosyntactic lexical 4. awareness 0.01 Cloze reading passage II 0.01 -ve 5. Index of reading awareness 6. 0.05 - ve7. Gender 0.01 - ve Creative questions 0.05 10. Reading passage Morphosyntactic lexical aware-1. with objective ness 0.01 type questions: Sentence acceptance 2. Identification of equivalent 3. 14 variables meaning 0.01 - ve 4. Age 0.01 - ve5. Fathers occupation 0.05 б, Siblings status 0.05 - ve 7. Caste 0,01 - ve Occurance of hearing loss in the 8. family 0.01 9. Achievement scores in the school 0.0510. literal comprehension 0.01 11. Explicit Inference 12. Implicat Inference 13. Organization 0.01 14. creative question 0.05 11. Identification 1. Reading Comprehension Passage of equivalent with objective type questions meaning : 0.01 - ve7 variables 2. Reproduction passage 0.05 - ve 3. Age 0.05 4. Caste 0.05 5. Hearing loss at 1000Hz in the left ear 0.05 - ve 6. Literal comprehension 0.01 - ve 7. Organization 0.01 - ve 12. Cloze Reading 1. I.Q 0.05 passage I : 2. Gender 0.01 - ve 5 variables Э. Hearing loss at 1000 Hz in the right ear 0.05 - ve 4. Creative questions 0.05 - ve

1.

Senteror

Rhyme identification 0.05 Cloze Reading 1. 13 Syllable segmentation 0.05 - ve passage II: 2. Short term memory 0.01 - ve 4 variable 3. Family income 0.01 - ve 4. Reproductive Compound word identification 1. 14. passage: 0.05 Identification of equivalent 9 variables 2. meaning 0.05 - ve З. Age 0.01 - ve Mother's occupation 0.05 4. Family income 0.05 - ve 5. Achievement in the School 6. Age of admitting in the School 7 0.01 - veHearing loss at 2000Hz in the 8. left ear 0.05 Explicit inference 0.05 - ve 9. 15. Index of Rhyme generation 0.01 - ve 1. reading aware-Short term memory 0.05 - ve 2. ness: 4 variables 3. IQ = 0.01 - ve4. Gender 0.05 16. I.O : 1. Rhyme generation 0.01 5 variables Cloze reading passage I 0.05 2. 3. Index of reading awareness 0.01 - ve4. Gender 0.05 - ve 5. Mothers Education 0.05 17. Gender: 1. Sentence acceptance 0.01 - ve 8 variables 2. Fathers Education 0.01 - ve 3. Cloze reading passage I 0.01 - ve 4. Index of reading awareness 0.05 - ve5. I.Q 0.05 - veAge 0.01 - ve б, 7. Caste 0.01 - ve 8. Age of admitting in the school 0.01 - ve18, Age: Reading passage with questions 13 variables 0.01 - ve2, Identifying equivalent meaning 3, Passage for reproduction 0.01 - ve4, Gender 0.05 - ve

- Fathers Education 0.01 ve 5.
- Mothers occupation 0.05 ve 6.
- 7. Caste 0.01
- Achievement in the school 8. 0.01 - ve
- 9. Age of admitting in the school 0.01
- Hearing loss at 2000Hz in the 10. left ear 0.05 - ve
- Literal comprehension 0.05 ve 11. 12,
 - Explicit Inference 0.01 ve
- 13. Implicit inference 0.05 - ve
- Fathers' 19. Education: 5 variables
- Sentence Acceptance 0.05 1,
- Mothers Education 0.01 2.
- Fathers occupation 0.01 3.
- siblings status 0.01 ve 4.
- 5. Occurance of hearing loss in the family 0.05
- Mothers' 20. Education: 11 variables
- Compound word segmentation 1. 0.05
- 2. Morphosyntactic lexical awareness 0,05
- Sentence acceptance 3. 0.05
- 4 I.Q 0.05
- Fathers Education 0.01 5,
- Fathers' occupation 0.01 6.
- 7. Occurance of hearing loss in the family 0.01
- Achievement in the School 0.01 8.
- 9. Explicit Inference 0.05
- 10. Critical reading questions 0.05
- Creative reading questions 11. 0.05
- 21. Fathers' Occupation: 9 variables
- Morpho syntactic lexical aware-1. ness 0.05
- 2, Sentence acceptance
- Reading comprehension passage 3. 0.05
- Cloze Reading passage 0.05 ve 4.
- 5. Fathers' Education 0.01
- Mothers' Education 0.01 6,
- 7. Explicit Inference
- 8. Creative reading questions 0.01

Mothers' 22. Rhyme identification 0.05 - ve 1. Occupation: 5 variables Reproductive reading passage 2. 3. Age 0.05 - ve 4. Age of admission in the school 0.05 - ve5. Explicit Inference 0.01 23. Income: Syllable segmentation 0.01 1. 5 variables Sentence correction 0.05 - ve 2. Cloze reading passage II 3. 0.01 - veReproductive reading passage 4. 0.05 - veAge of admitting in the school 5. Siblings status: 24. 1. Sentence acceptance 0.01 - ve 8 variables Reading comprehension passage 2. 0.05 - veFathers'Education 0.01 - ve З, Family income 0.05 - ve 4. Hearing loss at 500 Hz in the 5. right ear 0.05 - ve 6. Hearing loss at 1000 Hz in the right ear 0.05 - ve 7. Hearing loss at 2000Hz in the right ear 0.05 Hearing loss at 2000Hz in the 8. left ear 0.05 - ve 25. Caste: Reading comprehension passage 1, 11 variables with questions 0.01 - ve 2. Identification of equivalent meaning 0.05 3. Gender 0.01 - ve 4. Age 0.01 5. Age of admitting in the School 0.05 Hearing loss at 1000Hz in the 6, left ear 0.05 - ve Hearing loss at 2000 Hz in the 7. left ear 0.05 Literal comprehension 0.01 - ve 8. Explicit Inference 0.01 - ve 9.

10. 11.

Organization 0.01 - ve

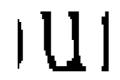
Implicit Inference 0.01 - ve

26	(Ocqurance of hearing loss) 9 variables	1. 2. 3. 4. 5. 6. 7. 8. 9.	0.01 Reading comprehension passage 0.05 Fathers Education 0.05 Mothers Education 0.01 Fathers occupation 0.05 Explicit inference 0.05
27.	Achievement in the School: 9 variables	1. 2. 3. 4. 5. 6. 7. 8. 9.	Morphosyntactic lexical awareness 0.05 Reading comprehension passage Reproductive passage 0.01 Age 0.01 - ve Fathers Education 0.01 Admission age in the School 0.05 - ve Explicit Inference 0.01 Implicit Inference 0.01 Organization 0.01
28.	i	2 3. 4. 5. 6. 7. 8. 9.	Reproductive passage 0.01 - ve Gender 0.01 - ve Age 0.01 Mothers' occupation 0.05 - ve Family Income 0.05 Caste 0.05 negative Achievement in the school 0.05 - ve hearing loss at 500Hz in the left ear 0.05 - ve Hearing loss at 1000Hz in the left ear 0.05 half ear 0.05 - ve Ilearing loss at 2000 Hz in the Seplicit Inference 0.05 - ve
29,		1. 2. 3. 4. :	

Identification of equivalent Hearing loss at 1. 30. 1000Hz in the meaning 0.05 - ve Siblings Intellectual status right ear: 2. 0.05 - veHearing loss at 500Hz in the 3. 7 variables right ear 0.01 Hearing loss at 2000Hz in the 4. right ear. Hearing loss at 500 Hz in the 5. left ear 0.01 Hearing loss at 1000Hz in the 6, left 0.01 Hearing loss at 2000Hz in the 7. left ear 0.01 Hearing loss Siblings Educational status 31. 1. at 2000Hz in the 0.05 - veright ear: Hearing loss at 500Hz in the 2. 6 variables right ear 0.01 Hearing loss at 1000Hz in the 3. left ear 0.01 Hearing loss at 500Hz in the 4. loft ear 0.01 Hearing loss at 1000Hz in the 5. left car 0.01 Hearing loss at 2000Hz in the б. left ear 0.01 32. Hearing loss at Age of admitting in the school 1. 500Hz in the left 0.05 - veear: 2. Hearing loss at 500Hz in the right ear 0.01 6 variables Hearing loss at 1000Hz in the 3, right ear 0.01 Hearing loss at 2000Hz in the 4. right ear 0.01 5. Hearing loss at 1000Hz in the left ear Hearing loss at 2000Hz in the 6. left ear 33, Hearing loss at Compound word segmentation 0.05 1. 1000Hz in the 2. Identification of equivalent left car: meaning 0.05 - ve 9 variables Caste 0.05 - ve 3. 4. Age of admission ' 0.05 - ve5. Hearing loss at right ear 0.01. 6, Hearing loss at right ear 0,01 Hearing loss at 7, right ear 0.01

- 8. Hearing loss at 500Hz in the left ear 0.01
- 9. Hearing loss at 2000Hz in the left ear 0.01
- 34. Hearing loss at 2000Hz in the left; 11 variable
- 1. Rhyme identification 0.05
- 2. Reading passage for reproduction 0.05
- 3. Age 0.05 ve
- 4. Caste 0.05 negative
- 5. Age of admission in the School 0.01 ve
- 6. Hearing loss at 500Hz in the right ear 0.01
- 7. Hearing loss at 1000Hz in the ringt ear 0.01
- 8. Hearing loss at 2000Hz in the right ear 0.01
- 9. Hearing loss at 500Hz in the left ear 0.01
- 10. Hearing loss at 1000Hz in the left ear 0.01
- 11. Hearing loss at 2000Hz in the left ear 0 01
- 35. Literal comprehension:
 - 8 variables
- 1. Sentence acceptance 0.05
- 2. Reading comprehension passage with question 0.01
- 3. Identification of quivalent meaning 0.01 ve
- 4. Age 0.05 ve
- 5. Siblings Intellectual status 0.05 ve
- 6. Caste 0.01
- 7. Explicit Inference 0.01
- 8. Implicit Inference 0.01
- 36. Explicit Inference: 12 variables
- 1. Rhyme generation 0.05
- 2. Sentence correction 0.05
- 3. Reading comprehension passage with objective questions 0.01
- 4. Reading passage for reproduction.
- 5. Age 0.05 ve
- 6. Mothers Education 0.05
- 7. Caste 0.05 ve
- 8. Occurance of hearing loss in the family 0.05
- 9. Achievement in the School
- 10. Hearing loss at 500 Hz in right ear 0.05 ve
- 11. Implicit Inference 0.01
- 12. Organization 0.01

37. Implicit Inference: 8 variables	1. 2. 3. 4. 5. 6. 7. 8.	Morpho syntactic lexical awareness 0.01 reading comprehension passage with objective questions 0.01 Caste Occurance of hearing loss in the family 0.05 Achievement in the School 0.01 Literal comprehension 0.01 Explicit Inference 0.01 Organization 0.01
38. Organization: . 9 variables	1. 2. 3. 4. 5. 6. 7. 8. 9.	Reading Comprehension passage with objective type questions 0.01 Identification of equivalent meaning 0.05 - ve Mothers Education 0.05 Cate 0.01 - ve Occurance of hearing loss in the family 0.01 Achievement level in the School 0.01 Literal comprehension 0.05 Explicit Inference 0.01 Implicit Inference 0.01
39, Creative reading: 7 variables	1. 2. 3. 4.	Morpho syntactic lexical awareness 0.01 Short term memory 0.05 Reading comprehension passage with objective type questions 0.05 Cloze reading passage I 0.05 - ve Mothers Education 0.05 Fathers Occupation 0.01
40. Reading comprehension passage (total): 14 variables	7. 1. 2. 3. 4. 5. 6.	Morphosyntactic lexical awareness 0.01 Sentence Acceptance 0.05 Identification of equivalent meaning 0.05 - ve Age 0.01 - ve Fathers occupation 0.05 Siblings mental status 0.05 - ve



reading passage which means reading comprehension need not depend on the degree of hearing loss of the students. has correlated positively only with three term memory namely syllable segmentation variables (0,01),morphosyntactic lexical awareness (0.01) and creative questions (0.05). But negatively correlated with 5 variables namely Rhyme identification 0.01, Rhyme generation (0.05), Cloze reading passage II Index of reading awareness (0.05) and Gender (0.01) which implies that the students short term memory is not adequately trained which might be the reason for not developing good reading skills in hearing impaired children.

When the performance of hearing impaired students in the two cloze reading passages was observed., it was found that two reading passages correlated with different variables. The first cloze reading passage correlated positively with IQ (0.05) and the second cloze passage correlated positively with Rhyme Identification (0.05). All other variables namely Gender, hearing loss at 1000Hz in the right ear and creative questions in the case of first reading passge and syllable segmentation short term memory, and family income in the case of second reading passage were negatively correlated. This means the cloze reading passages did not show any relationship with reading comprehension passage. This result in turn syntactical abilities of the children did not necessarily reflect in reading comprehension skills as cloze passages

demands more of languag, and vocabulary proficiency than mere understanding of the passage for meaning and ideas.

4.5 Factorial Analysis: The forty variables considered for the study were analysed for high factor loading components. Eleven factors were extracted from this factor analysis.

The first factor has significant loading with reading comprehension test with objective questions, literal level comprehension, explicit inference, Implicit inference, organization, of the reading skill, and other variables namely achievement in the school, mothers' education, fathers' occupation and occurence of hearing loss in the family. This result indicated that reading skill is assinciated with achievement in the school and family educational status. Significant negative loadings with age caste age of admission in the school and siblings mental status implies that these were influencing factors in a negative way for reading skill development.

The second factor has high loadings with morphosyntactic lexical awareness, short term memory which means the abilities exhibited in these two types of tests might be different from abilities required for reading skill. Significant negative high loadings with all lender of hearing loss (i.e 500Hz, 1000Hz, 2000Hz) in both the indicated that the performance of students in the

tests might have affected by the degree of hearing loss of students. The correlation of the reading passage with questions, with this factor is just 0.24542.

The third factor had high loadings with syllable segmentation, achievement in the school, reading passage for reproduction and other variables namely age, income, mothers' occupation, age of admission in the school, and has negative loadings with cloze reading passage II. This means age and economic status of the family might have influenced the reading ability of the children.

The correlation of this factor with the reading passage with different levels of comprehension was very low. 1.e 0.17620. This means reading skill need not necessary depend on age of admission or economic status of the family.

The fourth factor was found to be high factor loadings with, Rhyme generation, compound word segmentation, I.Q fathers openpation and mothers education". Relationship of this factor with reading comprehension test with questions was also very low (0.12647). This means the abilities necessary for rhyme generation and compound word segmentation, were not directly related to reading skill.

The fifth factor showed positive relationship with sentence correction, short term memory, I.Q and fathers education and fathers' occupation and negative relationship with syllable segmentation, Index of reading awareness and

gender. Even the reading comprehension passage with objective questions also showed negative relationship but very negligible. This means fathers educational and occupational status might have a role to play in developing students abilities for sentence correction which in turn is related to I.Q and short term memory. The potentials required for syllable segmentation, reading awareness might be different and might be based on gender.

The negligible negative correlation of the reading passage with this factor indicates that reading skill might not be influenced by this factor.

The sixth factor was related to cloze reading passage I, morphosyntactic lexical awareness, fathers' occupation, and negatively related to gender. The relationship of reading comprehension passage was very low (0.24617) for a sample of 20. This factor indicated the abilities required for cloze reading passage I, morphosyntactical lexical awareness were quite different from the abilities required for reading skill.

Factor seven was associated with rhyme identification, cloze reading passage II and sentence correction but negatively related to syllable segmentation, mothers occupation and Income. This factor was negatively associated with reading comprehension passage in a negligible degree (0.01103) which means the abilities necessary for reading skill were different from the

abilities required for right identifications and cloze reading passage II and sentence correction as these tests were more grammatically oriented.

The eighth factor has shown high factor loading with short term memory and mothers' occupation and negative relationship with rhyme identification. The relationship of this factor with reading comprehension passage was only 0.04364 which is negligible. This means short term memory was not directly associated with reading skill in this sample.

minth factor was positively associated The with sentence acceptance, cloze reading passagel, and negatively associated with gender, compound word segmentation, identification of equivalent meaning. This passage has very low relationship with reading comprehension (0.03984). This means the skills required for sentence acceptance and cloze reading passage I were different from skills required for compound word segmentation and identification of equivalent meaning and these four tests were not directly related to reading comprehension test.

The tenth factor indicated association with compound word identification, cloze reading passage II,. This factor has also very low correlation with reading comprehension passage (0.04849). This means the skills required for these tests were not directly contributing to the development of reading skill.

The elventh factor was associated with creative reading and compound word segmentation and negatively associated with achievement in the school. Its relationship with reading comprehension passage was also negligible (0.07600). This means creative reading, compound word segmentation skills were different from the skills required for achievement in the school. The abilities required for these tests were not directly contributing to reading skill.

. Each of these factors explain the following percentage of variance.

Factor 1 : 22.7 %

Factor 2 : 15.8

Factor 3 : 11.4

Factor 4 : 9.4

Factor 5 : 7.1

Factor 6 : 6.8

Factor 7 : 5.3

Factor 8 : 4 8

Factor 9 : 4.3

Factor 10 : 3.6

Factor 11 : 3,2

4.6 Discussion of the Results:

The results of this study indicated that the reading comprehension level of the hearing impaired student at IX class level in Andhra Pradesh ranged from 22.4% to 38.25% which means the students need to be trained to improve their reading skills. Comprehension of students performance based

on the region indicated that the performance of the hearing impaired students in the Telangana region was better than the performance of students from Coastal Andhra (Telangana M: 35.87 Coastal Andhra M:31.57). The performance of coastal Andhra students was better than Rayalaseema region students (Rayalaseema 125.67% and Coastal Andhra 31.57) variance was also highest in Telangana region; next comes Coastal Andhra region and the last in the order comes students from Rayalseema region. This means the students reading levels were lowest in Rayalaseema region and the variation in their standards was also less when compared to other two regions.

Comparlson of students performance in different reading levels and in different regions indicated that literal level, the performance of Coastal Andhra and Telangana region did not differ where as in comparison with Rayalaseema region, the performance of the students in both the regions was better than Rayalascema region studnets. With reference to Explicit and Implicit inference creative reading the performance levels of Andhra Rayalaseema regions did not differ where as in comparison with Telangana region, the students from Telangana region fared better than either Coastal Andhra or Rayalaseema region, In the case of organization skill, the students' performance differed significantly from each region, highest performance was observed in Telangana region students, followed by Coastal Andhra students and lastly Rayalascema students. No difference in the performance

levels of students were observed in three regions in critical reading ability. •

The experimental results indicated that the conceptualized strategy improved the reading skills of the experimental group in all the four school subjects selected
namely Telugu language, Mathematics, Science and Social
studies. Comparatively the students performance was better
in Telugu language, followed by Social studies, Science and
Mathamatics respectively. Comparison of students performance
in various tasks in relation to the degree of hearing loss
in the right and left ear indicated that their performance
levels were not related to their degree of hearing loss.

Correlational analysis indicated that reading comprehension appears to be significantly positively related to task like morphosyntactic lexical awareness, sentence acceptance, achievement scores in the school, different of comprehension namely literal, explicit levels implicit inference, organization skill and creative reading Also related to variables like fathers occupation, skill. and occurence of hearing loss in the family. Certain variables such as age, siblings mental status, caste appears to be negatively correlated which means the influence factors were not favourable to the development reading skill. Similarly the task of identifying equivalent meaning correlated significantly negatively with reading comprehension passage which means the ability for value judgement required in performing this task is different form the ability required for reading comprehension passage.

The factor analysis identified elevent factors with high factor looding; out of which the first factor has significant loading with reading comprehension test and other variables such as achievement in the school, mothers' education, fathers' occupation, occurance of hearing loss in the family and negative loadings with caste, age and age of admission in the school. This means reading skill is associated with achievement in the school and also family background, the personal factors such as age, caste and age of admission in the school night be playing negative role in developing their reading skill which the teacher need to take care of.

4.7 Conclusion: The analysis of the collected data reveals that the students were not used to reading situations, but once they were given opportunities to read using any of the school subjects specified for them, they will be able to develop and improve their reading abilities. The teacher can provide opportunities to read through guided and focussed questions and encourage reading with good interpersonal relationship and proper guidance in the classroom situations. For such an approach to teaching, directed questioning strategy at different levels of reading was used and validated. Teachers may well adapt or adopt this strategy for developing reading abilities in hearing impaired students.

Charler 5

SUMMARY AND FINDINGS

5.0 Introduction:

Integrated Education for Disabled children (IEDC) aims to provide a vast number of disabled children in the country. This step has lead to emphasize literacy skills to the disabled. These literacy skills are much more important to hearing impaired children, when compared to other disabled children, as their natural way of acquisition of language is affected due to hearing loss. Among the literacy skills reading occupies prime place in the academic environment of the disabled child in general and hearing impaired in particular.

Reading is a complex process involving perceptual, conceptual, analytical, synthetic critical and even creative abilities. Reading integrates and improves the nature and quality of oral and written language. In todays' World, reading is an essniial aid to personal development and social progress. For intellectual equipment, for personal growth, for the development of advanced knowledge for the pursuit of excellence, for the scientific, social, economic and even political growth and welfare of a country, reading directly or indirectly serves as a means. Therefore young people need to read widely and hearing impaired children are no exceptions Reading implies reading with an attitude

of questioning, integrating, evaluating and applying the information read which in turn means reading independently with a mature mind. Reading is basic to appreciation of life, nature and literature.

5.1 Objectives of the study :

Reading skill is not systematically developed through instructional programmes in schools in India in general and in Andhra Pradesh in particular. Reading helps develop thinking which is essnetial for matured understanding and constructive attitude to life. It is imperative that reading ability be developed in the adolescent students at IXth class level, if not earlier, though it may be possible to do so at an earlier stage too. Inview of the IEDC programme, hearing impaired students at IXth class level should also be taken care of in this direction.

The present study aims at designing a strategy for developing reading abilities in IXclass hearing impaired students studying IX class, in four school subjects in Telugu, Mathematics, Biological Science, and Social Studies.

The main objectives of the study were:

- To identify the reading levels of hearing impaired students in class IX.
- To identify the gaps in the reading levels of hearing impaired students in class IX

- 3. To develop strategies to improve the reading levels of hearing impaired students in class IX using four school subjects.
- 4. To try out these strategies for their effectiveness.

5.2 Design of the study: A survey come experimental design was selected for this study. The survey aims at finding out the level of reading skill of the hearing impaired students and the experimental design aims at developing a strategy to improve reading skill and to find its effectiveness in developing the critical reading skill. The experimental design selected was control and experimental group method with pre-test treatment and post test model in which for pre-and post tests reading comprehension tests were given in the beginning and at the end of the experiment. Treatment in this study was the application of the conceptualized and developed strategy in the classroom situation.

Tools: Twelve variables were considered for their effect on the development of reading skill in hearing impaired students. They are Intelligence, family status, family history Economic status hearing loss, age of admission in the school, age, reading awareness, syntactic and sementic proficiency, and language awareness, achievement in the school and short term memory.

Cattle's non-verbal Intelligence test for the age group of sixteen plus was administered. Family status was

measured from parents educational and occupational status and siblings mental status. (normal\abnormal). Family history was measured in terms of occurence of hearing in the family apart from the student in the target group; Economic status was measured from the family annual Hearing loss at three levels namely 500Hz, 1000Hz, 2000Hz right and left ear was taken for all the students from the audiologist. Age of admission of the student in the school was also taken as delayed admission may restrict students language development significantly in hearing impaired students. Reading awareness was measured through a test developed on the basis of metacognitive reading awareness scale developed by Mclain, Grindley and McIntosch (1991), syntactic and semantic proficiency was measured using two cloze passages, language awareness was measured using various language related tasks such as rhyme generation, rhyme idenlification, syllable segmentation, compound word segmentation, compound word identification sentence correction and sentence acceptanceas hearing impaired were mainly deficient in language development, it was important and also essential to know the extent of language they already know and whether they were capable of using their awareness language in developing their comprehension in reading. achievement scores of the student was taken from the half yearly and quarterly examination results from the school. short term memory was essential to understand

interpret meaning of the read passage, a short term memory test was also developed to find out its relationship with reading comprehension ability.

Apart from these tools, one diagnostic reading test was constructed for exploratory survey in the phase I and instructional modules with reading test in four school subjects namely Telugu, Mathematics, Biological Science and Social Studies were developed for experimental group as pretest and post test in the second phase of the study.

5.3 Sample: For survey of the reading test, stratified purposive sample at the school level and cluster sample at the students level were selected. The experimental group was selected on the basis of the mean achievement of the schools in the diagnostic comprehension test given for survey. The group with the lowest mean achievement in the reading comprehension test was selected for experiment. The survey was conducted in nine schools in different regions in Andhra Pradesh for a sample of 142 students.

5.4 Procedure: Reading was defined in this study as an ability to read, interpret, infer, organize, evaluate and create. After the review of related literature different levels of reading skill were identified.

Reading skill was analysed under three levels - (1)
Reading the lines (2) Reading between the lines (3) Reading
beyond the lines. The details of the analysis were as

follows. At the first level i.e reading the lines, three subskills were identified. They are - identifying skill relating skill and organizing skill. At the second level i.e reading between the lines, two sub skills were identified. They are explicit inference and Implicit inference. At the third level i.e reading beyond the lines, two subskills were identified. They are critical reading and creative reading skills.

following were the different strategies identified under each subskill.

Level	Skıll	Strategy
1. Reading the	2	1. Main idea 2. Details 3. Purpose
		 Relating main idea to details Relating main idea to purpose
	3. Organization skill	 Summarizing Arranging in the textual order.
2. Reading between the lines	1. Explicit Inference	1. Inferring from explicite main ideas
		2. Inferring from explicit details 3. Inferring
		exact points 4. Inferring purpose from explicit main ideas and details.

- 2. Implicit Inference 1. Inferring implied meaning
 - 2. Inferring implied purpose
 - 3. Inferring assumptions
 - 4. Inferring facts and opinions
 - 5. Inferring character traits
 - 6. Inferring emotions
 - 7. Inferring implications

3.Reading beyond the lines Critical reading

Judging the content in terms of

- 1. Validity
- 2. purpose
- 3. Relevance
- 4. Practicality
- 5. Authenticity

Creative reading

- 1. Applying in new situations
- Reorganize ideas in a noval ways

After the identification of the different levels of the reading skill, an exploratory survey, and a pilot study was conducted. The reading comprehension test was constructed covering different levels and subskills of reading and administered to 142 students in hearing impaired schools having IX class in different regions in Andhra Pradesh. The mean achievement of the students in reading ocmprehension was calculated school wise, region wise and subskill wise. The students of the school with the lowest mean achievement was selected for experimental purpose.

5.4.1 Experimental hearing : for the experiment the class was divided into two equal halves on the basis of their school achievement. One group was considered as control group. This control group was given pre and post tests in school subjects for a unit to be taught in the class. unit selected in each subject was taught in the normal way in the regular class. The experimental group was also given same pre and post tests for the units to be taught. But the experimental group the units to be taught were developed into instructional modules incorporating focussed questions for developing reading and these modules were given to the students after pro tost and were asked to read the text and answer the questions given below with the help of the text, with necessary and appropriate interventions by the teacher wherever required and then the lesson was completely explained at the end. After this treatment post test was glven. The difference in the achievement of the control and experimental group was compared in both pre and post tests for measuring the improvement score in the reading ability. This experimental group was subjected to sixteen other tests for measuring their language awareness, syntactic, semantic proficiency, short term memory, reading awareness, Intelligence. Apart from this, data was gathered from the recurds for age, parents education and occupational status, income, siblings mental status, caste, occurence other cases of hearing impairment in the family, age οf

admission in the school, degree of hearing loss at 500Hz, 1000Hz, and 2000Hz achievement in the school.

The students in the experimental group were taught one unit from four school subjects namely Telugu, Mathematics Biological science and social studies for a period of month (teaching was done one subject after another subject). With 1\2 hour teaching through questioning, and an half an hour classroom group or individual exercises daily, totally 30 instructional hours, 15hrs, for teaching and 15hrs for exercises spent over a period of one month. After completion of the unit, the students were given same reading comprehension test given for protesting, improvement in the reading ability was derived from the difference in the achievement of the students in pre and post reading tests in the four same teacher taught the control subjects. The Teaching of the control group was done first, then the experimental group in the successive periods to avoid lapse of time.

5.4.2 Strategy:

The different skills were identified for each level. The skill was converted into tasks or activities to be performed in the classroom situation. A small paragraph from the unit sellected was taken at a time and the students were assigned the task of identifying main ideas, details, relationships, infer ideas, organize sequence through questions. Guidance was given whenever any student approach

or whenever the teacher finds that there was problem for the individual. In short questioning was used as a stimulating tool to initiate students thinking, for identifying, relating and organizing. Questions for critical and creative reading were not used as the students were not able to take the load after serious thinking for literal and inferential comprehension as they were not used to this type of intensive reading sessions.

5.5. Analysis:

The data collected were analysed in various ways. The reading comprehension test administered to a sample of 142 hearing impaired IXclass students was analysed for reading achievement level and for the difficulty level of the reading ability of the students.

The reading achievement of the students was calculated schoolwise, regionwise and question wise. The mean difference in the reading achievement of the students was tested for significance regionwise and subskillwise to find out whether there was any real difference in achievement levels. If so, in what aspect of the The range of difficulty level of the students different subskills of reading comprehension, and difficulty level of the the students for the total reading skill was calculated region wise and school wise. The difficulty level of the students was tested for its significance on the basis of region and subskill to find out

whether there was any real difference in their difficulty level of the studenia.

To find out the improvement of reading ability in the experimental and control group, 't' values were computed in four subjects for pre test and post test reading comprehension tests administrered to control and experimental group.

An inter correlation matrix computed for various language awareness tasks, reading awareness index,, I.Q cloze tests, reading comprehension tests, parents educational and occupational status, hearing loss at different levels, occurance of hearing loss in the family, age, age of admission in the school, gender achievement in the school to findout how these variables were related to each other and to reading comprehension ability. Means and standard deviations were calculated for all the variables. The values of these variables were analysed for extracting factors using factor analysis technique. In the eleven factors extracted, only in the first factor, reading skill was found to be with high factor loading.

5.6 Summary of the Findings :

Following was the summary of the findings of the above analysis.

1. The students in the experimental group were able to improve the reading ability through the strategy implemented and this proves the effectiveness of the strategy ('t values were significant for the pre test and post test in the four

school subjects namely Telugu, Mathematics, Biological science and social studies.

- 2. The students in the control group did not show improvement in the reading ability and this also proves that ordinary routine teaching need not necessarily develop reading skills in children ('t' values were not significant for the pre test and post tests in the four school subjects for this group.
- 3. The entry level of both control and experimental group was found to be same as the 't' values for pretests of control and experimental group was not significant.
- 4. The total improvement of the reading skill in Telugu was 13.71%., in Maths 35.9%., in biological science it was 29.19% and in Social studies it was 34.86% which were significant at 0.01 level.
- 5. The intercorrelation matrix revealed that there was relationship with achievement scores and reading ability.
- 6. The inter correlation matrix also revealed that reading ability was not related to degree of hearing loss.
- 7. correlation matrix also showed that reading ability was related to morphosyntacticlexical awareness, sentence acceptance tasks, occupation, occurance of hearing loss in the family, and all the sub skills of reading namely literal comprehension, explicit influence, implicit inference, organization and creative reading, and also achievement in

- the school; caste, age, siblings mental status might have negative influence in the reading ability of the students.
- 8. Out of the eleven factors identified in the factor analysis, only the first factor has highly related to reading ability of the students of IX class.
- 9. Hearing impaired students reading ability was below 39% 10. There was difference in the reading abilities of hearing impaired students in different regions, students from Telangana region were better than coastal students, coastal students were better than students from Rayalaseema region.
- 11. In all regions students performance was best in literal level comprehension and lowest in critical reading ability.
- 12. Students differed in their reading ability in different regions at literal level, implicit inference, organization, and creative reading. In all these subskills the students from Telangana fared better than the other two region students. Next better was students from Andhra region.
- 13. Students performance did not differ significantly in various tasks related to language awareness and reading comprehension even though their degree of hearing loss was different, which means hearing loss was not a basic factor influencing students performance.
- 14. Students' achievement scores also did not differ significantly even though the degree of hearing loss was different which also means, hearing loss need not necessarily influence the achievement of the studnets in the school.

Implications .

Reading skill is an important skill and is often overlooked in the educational institutions with the assumption that the reading will be developed automatically as the student mature in age and gain experience. This skill is much more neglected in the educational institutions of the hearing impaired students with the assumption that, the students lack adequate language to pursue the task.

But it is a wrong notion. The important aspect of reading is experience and opportunity to read, question and inquire. Unless these pre-requisites are met with, it is very difficult to develop thinking and in turn reading. Teachers are invariably in a better position to provide these facilities to the students in a class room situation for the development of reading ability which ultimately develops students into mature independent readers. With proper understanding and perspective and positive attitude to life and problems of life.

The inference that can be drawn from this study is that reading can be developed in a normal class room situation, with the books prescribed for the course without any disturbance to the curriculum activities in the academic course.

This study reveals that the important reading skills such as identifying, organizing relating inferring, judging

and applying can be developed through questioning and directing in a classicommittuation, in teaching a lesson from a prescribed text. Infact these skills has to be practised in all lessons taught in a classroom, for developing reading skill.

reading students learn by themselves, the teacher acts as a guide, posing appropriate questions at the right moment to direct the students' attention towards missed points, misunderstood or partially understood ideas, then deepening their understanding and helping them to integrate, infer, evaluate and finally think of the possibilities use and application of the obtained information. strategy suggested in this study has the following sequence of skills to be practised in a class room situation identifying, relating, organizing, inferring, judging and applying. In teaching reading, the teacher does not teach in the conventional senge, but stimulates students thinking through probing questions or prompting questions. In a way reading is self-learning process of "reading to learn" Since is a self learning process, all students may not be at the same rate of learning. To encourage the participation of the slow or shy learners, especially hearing impaired learner, the class can be divided into groups or pairs based on students' knowledge, intelligence, personality, peer group relationship so that no person dominates in the class. The teacher should also see that no individual in the group dominates the other and deprive other's of their beneficial

opportunities—In this context it is essential for the teacher to develop good inter personal relationship with students. Once the students become aware of the ways of thinking, methods of application, they can adopt these tactics in other subject fields also for the better understanding of the subject field. Infact, if all subject teachers try to focus on reading in their subjects, students automatically develop reading skill and develop self learning process which is very much essential for hearing impaired students.

Suggestions :

In India, although research studies are being undertaken in reading, they are very meagre, and most of these studies just concentrate on reading comprehension for normal children. Therefore it is necessary to carry out studies in the teaching of reading to hearing impaired students.

Following are some of the suggestions which the investigator would like to make for further study.

- 1. Reading studies may be undertaken to all kinds of disabled children including mental retardation.
- 2. Reading studies are very much needed at different levels of education such as primary, middle school, high school, for hearing imapired students.
- 3. Reading studies are also very much desirable 'n different subject fields for understanding the sub

- .4. Different methods of leaching reading to different category of disabled is need of the day.
 - 5. Different methods of teaching reading in different subjects can also be undertaken
 - 6. Strategies for developing reading skill at different levels of hearing impaired may be useful contribution to the society.

Task 1 - Rhyme ceneration

నూచనలు : చూడు ఇక్కడ రెండు పదాలు ఉన్నాయి. తడ్ - దడ్ ఈ రెండు పదాలకు ఉచ్చారణలో హోలిక వుంది. మొదట్ పదం 'త' అనే అక్కరంలోను రెండవ పదం' ద' అనే అక్కరంలో అ అనే అన్ను ఉంది. అూగే నద్ - గద్, కొంగ-దొంగ అనే పదాలకు కూడ ఉచ్చారణలో పోలిక ఉంది. మొదట్ జంట న - గ లో అ అనే అచ్చు రెండవ జంట కొ - దొ లో 'ఓ'అచ్చు వుంది. క్రింద కొన్ని పదాలు ఇచ్చాము. ప్రతిపదం ఏదురుగా ఉచ్చారణలో హోలిక ఉన్న ఇంకో పదం రాయాలి.

ఉదా: ۱۰ పక్క - (నక్క)

- · 2• <u>క</u>ంద <u>వ</u>ంద
- 1. ರಕ್ಕ -
- 2• ಕೆಲು -
- **ತ** . ಕುಕ್ಕ -
- ∡• కారం
- 5 ವಿಎಕ್ಕ
- 6· చ్రహ్మ
- 7• పంట -
- B• ನಿಮ್ಮ ್ಲ
- 9. కన్ను -
- 10 ေ ဃပ္က -
- 113 at -
- 12. NOW
- 13 హాట్బ్ -
- 14· あなが -
- 150 పేరు -
- 16. ಫ್ರಾಲು 🗕
- 17. తల -
- 18 జౌన్మ -
- 19• సంచి -
- 20. మాట -

Tasks 2 Rhyme Identification

క్రింద ఇప్పిన చదజంటలను చదవండి

7 ..

b

ชడి - దడి దారం - దూరం నది - గది నది - నాది కొంగ - దొంగ మెక్కు - మొక్కు న్నరం - జురం వరం - వారం రావ - పాత ఆంగ్యం - అంగం

మైన ఇద్దిన పదాల జంటలో ఎ గ్రూ ప్రక్షింగ్ చదాల వుధ్య ఉద్చారణలో పోలిక వెందిం 'ఫ్రి గ్రూ ప్రల్ ఉన్న పదాల మద్య రాతలో పోలిక ఉందిం ఉదా: వడి - దడి లేసుకుంటే వై - దై అక్కరాలలో ఒకే రకమ్మిన ఉద్పారణలో పలుకుండాముం కానీ దారం - దూరం అనే పదాలలో దా - దూ అక్కరాలు రానేటప్పుడు ఒకేరకంగా రాసినా, పలకడం వేరుగా వెంటుందిం దా పలికోటప్పుడు ట్లో అద్దు దూ పలికోటప్పుడు ఉ అద్దు పలుకుండాముం క్రాంద కాన్నీ పదజంటలు ఇచ్చారుం ఉద్దారణలో పోలిక ఉన్న పదాల జంటల్ని మాత్రం సున్మా చుట్టి గుర్ంచండింది.

కథా: !• మొల - మొక్క

2 ಕಮ್ನು – ರುಮ್ನು

30 దామా 0 - ద్వేహం

ెక్క మూడు జంట పదాలలో రుమ్ము – రుమ్ము మాత్రము ఉద్దారణలో పోలిక వుంది. కనుక ఆ రెండింటికి కరిపి ఒక సున్మ చుట్మాము. ఎైవీధంగా క్రింది పదాలను గుర్మించండి.

j ••	కారం - కారు
2•	ముక్కు - మొక్కు
3•	ಪಿಯ್ಯ - ನಿಯ್ಯ
4 •	నబ్బు - డబ్బు
5•	చావ - చేప
6• '	గూడి - కూడి
7•	నర్గి - బర్గ్
8•	దారం - ధావరం
9.	కముం - కాముం
10.	చము - కము

11. వళ్ళు - కళ్ళు

12. మూడు - మోడు

13. దొమ్మ - కొమ్మ

14. చేట - దోటు

15. వది - గది

16. గంట - వంట

17. కష్మి - కొమ్మ

18. రోలు - రెటు

19. కాలు - చాలు

20. కళ్ళు - కోత్యు

Task 1 Byll with the comment of the

' శనగలు లనే పదంలో మొదటి అక్షరం 'శేజేవేస్ 'నగలు' అనే మాట వస్తుంది. ఆలాగే క్రింద ఇచ్చిన వృశ్ పదం నుంచి ఒక అక్షరం కేసివేసి కొన్నపదం చెయ్యాలి

- ్ర మోకాలు
- 2. పాఠ్యలు
- 3· £550
- 4• *్ భో*జనం
- 5· నగరం
- රාమ్మడి
- 7. చిక్కుగు
- 8 వేపరు
- 9• شارق<u>ا</u>
- 10. వాసన
- ा। పందిరి
 - 12: మూకుడు
 - 13 ಚಿಕ್ಕೌಡ
 - 14 బారులు
 - 15. `ధానీము
- 17: ಪ್ರವೆಸಂ
- 18· **వ**డియం
- 19· ఆశయం
- 20. అసమానం

Task 4 Com And word Segmentation

5ాన్మి జంటపదాల్మి రెండు వదాలుగా విడదీయువమ్మ ఉదాచారణకు దింతాకు చింత - అకుం వరహరు వది - అరు దింతాకు అనేవదంలో మూడు అక్కరాలు వదహరు అనే వదంలో నాలుగక్కారాలు ఉన్నాయి. మీరు రెండు పనులు చేయాలి. కింద ఇద్చిన జంట పదాలలో ఎన్మి అక్కరాలు ఉన్నాయో మొదట తాయాలి [2] రెండోది ఆ పదాన్మి రెండు పదాలుగా విడగాట్మాలి ఉదా! చక్కపోడి - 4 చక్క - పోడి

్త్రమ్ము ఉదా! , వకుపోడి ఉక్కార్త్తు సంఖా

<u> వద్దప్రిభ్రజ్ఞన</u>

వక_{ర్} – పాడి

- 1. పక్పపేడ్
- 2. がかいoca
- ე. *ვზ*ათ თა
- 4. బొమ్మ రీల్కు
- 5 · నూటపది
- 6: మొులాడు
- 7 เกิด์
- в• రాశమ్మ
- 9• ವರುಗನ<u>್ನ</u> ೦
- 10• दौरीं
- 11 · 33 2 305 .
- 12• చోములపుట్ల
- 13· 576172
- 14• ವಿಂಕುಬಲ್ಲು
- 15•' **పూవూ**ల
- 16• భూలోకవు
- 17· నోబీలాబ్బ
- 18• మందులడబ్బా
- 19• ៩៦ នឹង
- 20 ಜದಕುಮುಲು

Task 5 Compound word identification

సూచనలు । వాక్కంలో చదవిభజన అర్భం బట్మి మారుతుంది - ఉదా: ఈ రెండు వాకా శలు చదవండి

-~~--

- ಶಿಖಿಯಾಲು (ವಿಡಿ) ಎಯು
- ಪಿರಿಯಾವಿ 🖁 ವಿಯು

మొదట్ వాకు ౦లో చదాలను మీరీయాలు – పాడ్ - చెయిక గా ప్రిశ్వీంచాల్లి. అదే రెండో వాక్కంలో అయితే మీరియాలపోడి ఒకే వదంగా వాడాలి. అంటే రెండో వాక్కం ్లో మీరియాలపోడి , వెయ్కి రెండే పదాలు వున్నాయి. మీరియాల (పోడి) వెయ్య ఆస్ పిథజీనే ఆ చాకాశ్సీకీ అర్థం రాదు. అందుకని వాక్కం విభజించేటప్పుడు వాక్కంలోని అర్భాన్మి బబ్మి పదాలను పిడద్యూరి. క్రింద ఇద్దిన వాకారలను అర్హమయ్య్ ట్మూ - చకవిభజన చేసి ఆ వాకారసికి ఎందురుగా వ్యాయండి

ఉదా! పూలమాల్రాడిపోయింది - పూలమాల వాడి పోయింది

- ವಿರುಗುತನ್ನ ೧ಲ್೪ಲುಪು
- దారంబండిల్లా చ్రుష్మివైట్కు
- 3• ' గుర్మ బు ండిటేనుకుండా
- పాముపుట్మలోకివెళ్ళింది
- 5. ವರುಗನ್ನ ಂರುವಿಗಾವುಂದಿ
- 6. పాముపుట్మలోచేయి. ఔట్జకు
- 7. దారంబంతిరేసివెట్కు
- వాళ్ళుగుర్క బ_రండిఎక్కారు B۰
- పావకుసూదిమందుఇప్పించారు
- 10. అల్లప్రవడినాకువాలాఇవ్యం
- శాన్మ గారుమందులుడబాఖ లైవేట్మారు
- 12. ವಿಮಲುಪುಟ್ಮಲ್ ಪುನ್ನಾ ಯ
- 13. నోళ్ళ కొట్టికడిగిందు
- 14. భాలుమాలగా కట్కు
- 15. వెన్మ ముద్దకరిగిపే రయిది
- ^{16.} నోళ్ళు కొబ్మెలోసింపు
- ¹⁷ అల్లంవచ్చడికోసంకొన్నా ను
- ^{18.} బాబకినల్లమొలతాడుకట్మారు
- ¹⁹• చేమలచుట్మలోవేలువెట**్లక**ు
- 201 ఎచకిబోడిగుండుచేయించా రు
- हा. మన్మగారిమందులుడబ్పై లోపేజ్మాను
- ⁸². ಡಮ್ ಲ್ಲಿಸ್ಸಿಗವಿಂಡಿವುಂದಿ
- ²³. ച്യാమൗയാമഠനയ്യാ**ു**
- ^{२५}। బాబుకినల్లమొలతాడుక*ట*్టారు

Task 6 Morphosyntex and lexical awareness

మార్వలు క్రంద ఇద్దిన వాకాంలలో కొన్ని ఖాళ్లు ఉన్నాయి. ప్రత్యేక్షానికి ఎదురుగా రెండు పదాలు ఇవ్వారు. ప్రత్యేక్షానికి ఎదురుగా ఇద్దిన రెండు పదాలలో ఒక పదం ఆ వాఖ్యంలోని ఖాళ్లో నరిషోతుంది. ఒక్కొక్కసారి ఆ పదం మాత్రం రాష్ట్రై నరిహితుంది. కొన్నిసార్కు ఆ పదానికి ముందుగాని, వెనుకగాని ఒక అక్షరం చేరాయి వుంటుంది. మరికొన్నేసార్కు ఆ పదం మార్కి రాయానిసుంటుంది. జాగ్రాప్తగా చదిపి ఆలోపించి తోగినపదంలో అర్యం నరిహియాలా ఖాళ్లను నింపండి.

ఉదా! ఈ క్రింద నాలుగు చెక్రలు ఇచ్చారు.

- !· <u>ಸುಬ್ಮರ್ಥ್ ಕ</u>ಾಮು ವುಂದಿ (ಪುಬ್ಮ, ಪಿಬ್ಬ)
- 2. బొక్కాక్ గ్రాప్డలు లేవు 🕴 గుండే, గుండు)
- 3. మందంలో చాలా నట్లులు ఉన్నాయి | నల్లీ, నల్లీ
- 4. ఇప్పిద్ద కాయలు 🕴 ట్రోర, దూర్క

వై వాక్కాలలో మొదటి వాకు ం పూరి చేయాలంటే చ్రుట్టల్లో అని రాయాలి. రెండవవాకు ంలో గుండే అనే వైదాన్ని " గుండేలుగా) చేసి, చొక్కా అనే వదానికి ముందర 'కి ఏ చేర్యాలి ఎముడవ వాకు లలో నల్లి, అనే వదానికి ' నల్లులు ' అని మార్కాలి ' నాలుగో వాకు ంలో పేర అనే వదానికి మార్కు ఏమా లేకుండా రాయాలి .

- ా . అపి కోడి ----- గుడు, గుడ్మి!
- '2•' అతను వాలా ∽_____ ∤ఎాబ్మ్స్, ఎెబ్మ్వాడు∤
- 3. వాడిని ----- కుమ్మింది ∤ రోలు, రోలు∤
- 4. లాతగాంధికి ----- ఉంది ≬ పిలక, వలక≬
- 5. ఎచనోడ్లో ----- లేవు శ్రీవెన్ను, పన్ను శ్రీ
- 6. ఇక్కడ రెండు ----- కొట్టు ∤ మేకు, మాకు∤
- 7. బిట్మల్లు ----- ఏ యాయి ! మసి, మాసి!
- 8• నాకు డాలు, ----- కామాలీ ∤చురి.చూరి∤
- 9. ----- నేళ్ళు పాయిక 🕴 నేల, నెల్మ్
- 10: అమ్మ ------ పావ వుంది 🕴 బడ్, ఒడి👂
- II+ తాళ్ళు రోడ్డు ------- ! వేస్తున్నాడు, వేస్తున్నారు!
- ్లు వాళ్ళద్దరికి రెండు ----- కొన్నాను ∤ రాలు, రెటు∤
- 13. అమ్మ బ్రైబిక్ ------ (వెళ్ళింది, వెళ్ళాడు)
- 14 · ఇక్కడ నాల్కు ------ కట్మార్ 🕴 లోడు, తాడు!
- ్కు రోజంతా ----- ఉన్నారు ∤మౌనం,మానం∤
- 16." అరను ------ p మందిది, మందివాడు!

```
17.1 పరుహ్ ------ ఉన్నాయా? (డలు, డప్పు)
18. చేచ్చరు ----- కుడువు (కుమ్ము , దుమ్ము (
19 ి ఆర్జను ------ గ్ర కుంటిద్, కుంటిచాడుగ్గ
20. ----- ఈదువున్నాయి ( బాశు, బాదు)
22 ి ప్రిక్ - - - - - - చండు రింటోంది బామ, జాము
్ల 23 లే. మా నేఖిక్కామలు ----- శ్రీ వచ్చారు. వదిచారిశ్రీ
్, 24.4 . నేను సినిమాకే ------ [వెళ్ళాను, వెళ్ళాను]
 . 25 - కర్మ్ - - - - - - లేదు (తుష్టు - తుక్తు)
 🖟 26 · ------ ఆకులు త్రిబోంద్ 🖟 మేక, మేత)
   27. ____ వూమిడి చర్చు ఉన్నాయి | బుట్టు, గుట్టు
   28.1 ఆకాశం ----- ఉంది (ముబు మగ్స్మే
   29 - - - - - - - - చిక్కు చడిపోయాయి (దారం,గారం)
   . 30. నేను రెండుకా రైక్ పట్మాలు ----- [వేసారు, వేసాను]
    31. ಅಮ ----- ವೆನ್ ೦ದಿ (ಮುದ್ದು, ಮುಗ್ಗು)
     32. క్రై---- పిరిగ్మీయాలు ( ఆద్దం, ఆడ్డం)
    ్డ 33.1 ఆది ----- డబ్బా (ముందు, మండు)
  34 - ఇన్న చడు ఈ - - - - - - శ్రీ కున్నాడు, కుందిశ్రీ
    ్ 35: క్షక నారంజ ----- ఇవ్కు శ్రీనాన, తాన్మ
    ,36. ఇండు ----- కావాల్ ( కర్త్,కచ్చి
       37 - వెళ్ళింటో, రెండు ---- ఉన్నాయి ( కారు చారు)
      ె 38. ఓక కట్ట ----- కేసుకురా ( బేడ్, కోడ్)
    ్ 39 ం పాచక్ బాజ్నానోని - - - - - - - క్రవిస్తు 0ద్, వచాచడుక్
       40 ಕ್ಟ್ ಆರಿ ಪ್ರಾಲ ----- [ ರಂಡ, ಜಂಡ]
        ్డికి ఆమె ----- బాలా పాడుగు [గుటి, జుట్కు]
         43, ఆద్ బ౦రీ ----- శ్రముత్రం, బౌకం శ్రీ
         44 · నుమ్మ ---- చదువుకోవారి (బాగా జాగా)
          45· అమ్మా యి పాలుతాగు ----- [ లోంద్రి కున్మాడు]
          46. వాడు చాలా ----- | బక్క నక్క!
           47· -----నేల తవుs (పరహు, పలహు)
           48. ఆన్మహ్మీలో చాలా ముందీ ----- ఉన్నారు | యోగి,రోగి!
           49. ఆయన ----- పింటున్నారు (వార్, వార్)
            50. కూర చాలా ----- తీరి కారంబగారం!
```

Task 7 Santence Acceptability

స్టూడైనలు! క్రింద కొన్ని వాకాలు ఇవ్వారు. ఈ వాకాలు చదివేటప్పడు కొన్నేసార్కు వాక్కం కప్పలాగా అనిపిస్తుంది. కొన్నేసార్కు అనిపించరు. మీరు ప్రతివాక్కం చదవండి. కప్పగా అనిపిన్ X రాయాలీ కరెక్కూ అనిపిన్మే ` 🗸 రాయుండి.

ఉదా! ఈ వాక్యాలు చదవండి

- 📭 బాలు వెళ్ళింది బల్ల కిందికి 🥕
- 2. అమ్మ బట్మభో గిన్మెలు కుడుకును ంది A
- 3. నిన్మ తాతయు కర్క పిరిగిపోతుంది A
- 4. నాను రోమూ రికాఖో సూజంపి వెళారు 🗸

వై వాక్కాలలో మొదట వాక్కంలో పదాలు ముందు వెనుకలుగా రాసారు అంటే బాలు బల్ల సె కిందికి వెళ్ళింది అని ఉండాలి. రెండవ వాక్కంలో అన్ను బట్మలో అనడానికి బదులు అమ్మ బట్మలో గిన్మెలు కుడున్ముంది అని రాశారు మూడవ వాక్కంలో నిన్మ తాతయు కర్క పిరిగిపోయింది అనడానికి బదులు పిరిగిపోతుంది అని రాశారు కాబట్టి ఈ మూడు వాక్కాలు కప్పు వాక్కాలు వేట్ ఎదురుగా '౫' ఎట్మారీ. నాలుగో వాక్కం నరి అయిన వాక్కం ఇందులో కప్పులేదు. కనుక

- া•্ ముద్దు వెట్లుకాంది పాచని అమ్మ
- 2. పంచదార కన్మ తెనె తీయుగా వుంటుంది
- 3. తమ్ముడు అప్పుడే బడి ఇంటికి వచ్చాడు
- శాన్మగారు రోజూ వేచరు చదువుతాడు
- ದಿಪುರು ಪಕ್ಕಂತ್ ಈಡಿಪಾಯಿಕ
- 6- కూర్పుంది పిల్లి కళ్ళు మూసుకుని
- 7. లేదు చరుపు మంచం మీాద
- 8· ಅಕವಿಲ್ ವದ್ಯವದ್ದ ವಿಬ್ಲು ఉಂಬುಂದಿ
- 9• లోముకో ఘందిగా హక్కు
- 10 " అమ్మ అన్నం వండులోంది
- 🕕 నేను అమ్మలో బజారుకి చెళ్ళాను
- 12. అన్నయ్య నాన్మగారు పొడుగు
- 13. మోము జూ సిట్బస్లో వెళ్ళాం
- 14. ఆనుయు చాలా ఏరువు వుస్తకాల దాంగ్
- 15. మావయులో నేను స్కూలుకు వెళ్ళాడు

- 16. దిన్మప్పుడు మేము గౌశీలు ఆడతాం
- 17. నాకు నెక్టిలు తోలడం వచ్చు
- 18. అన్నం రినరు అమ్మ స్మానం చేయకుండా
- 19. నేను నీన్న సరం నేకి వెళ్ళాను
- 20. గడియారం గంటలు కొడ్కాయి
- 21. ಗೌಪಟಂ ವಟ್ನು ಮಟ್ಟುತು ವಿ್ಯಾಯಾದಿ
- 22. ఆ మాసిసిడి చక్క బుట్క చాలా బరువు
- 23. బియ్యంలో మబ్బీగడ్యలు ఉన్నాయి
- 24. కుక్క మాంసం రీంటుంది
- 25. 202 40 500 671 00
- ₂₆. ఎక్కలేదు నేను ఎప్పుడు పిమానం
- 27. ఎకుతోంది గోడమీగు బర్మీ
- 28. నాన్కగారు మమ్మ రిష్ట్రి చేసుకెళ్ళు
- 29. ಆಗೆಸಿಂದಿ ಎಲು ಪಿಲ್ಲಿ
- 30. అమ్మ రోజూ చపాత్లు చేస్తుంది
- эు. నానుగారు భాకుకో పళ్ళు *కోసా*రు
- 32 బెల్లీ పురుగు రీనేసింది
- 33. అమ్మ నాకూ చెల్లిని జడలూ వేస్తుంది
- 34· ఆవుస_్కాలు నాటీ
- 33. కము రాము చుస్కం ఇద్చింది
- 36 అమ్మ జుట్కు నా జుట్కు వెద్దది
- 37• ತಮ್ಮು ಡು ವಿಗ್ರಾನಿ ಗಿಪ್ಪಿಂದಿ
- 38, వదువుతారు నాన్మగారు రోజు వేవరు
- 39. నేను స్పూను పాయసం రిన్మాను.
- 40. ಅಮ್ನ ಪ್ರಾಲಂದೆ ವಾಲ್ ಇಷ್ಟಂ
- 41. రోపు మోము జూకి వెళ్ళార్
- 42. లేదు కుక్క మా ఇంట్లో
- 43. ఆయన మా అక్కకు వేణ నేర్పిస్తారు
- 44. పాచ బామ్మ చడుకో బెట్మింది
- 45. గుడి దగ్కువ కొబ్బరికాయులు దారుతునుంది
- 45. ఉల్లాలు రాయరు ఆమ్మ చెనిములో
- 47. ఈ చ్రేరలు అక్కది
- 48. ఏడ్డిన్తే కళ్ళనుండి నేళ్ళు వస్తాయి
- 49. విల్కలు గథిగా అరుస్తున్నాయి
- 50. ఈ గిన్మెలు మాది కావు

```
Task: 8 Sentence Correction
```

్యమ్ము కింద కాన్మి చాకాశాలు ఇచ్చారు. ఈ చాకాశాలన్ని ందిలోను ఏదో ఒక తచ్చు ఉంది ఉదా! ఈ చాకాశాలు చదవండి

Min

وسيك

್ರ್ಯ ಕನ್ನಾಯ ಪುಟ್ಟಿನಿಂಡ್ ಧಿಮಲು

్డ, ఆక్కన్ బ్ అంటే ఇష్టం

్క మేము రోజూ రీక్షాలో స్కూలుకి `వెళ్ళావ్తుు_

u ఎలు నాకు ఇష్టం క్రామ్లు

పుట్మలో దేవులు ఉన్నాయి

ఆక్కకి టీ అంటే ఇష్యం

మేము రోజూ రిక్షాలో స్కూలుకి జెక్షామ్న్న

పాలు నాకు ఇష్టం లేద్దు

్కై భాక్కాలలో మొదది చాక్కంలో పదాలు ముందు వెనుకలయ్యాంయి. దాన్ని సరిచేసి పుట్మనిండా ముఖ ఉన్నాయి అని రాయాలి. రెండో చాక్కంలో అత్ర్మన్ని అని అనకూడదు. అత్ర్మక్షి అనాలి.

కుడి ' అక్క క్రి ట్ర్ అంట్ ఇచ్చం అని రాయాలి - మ్యాడవ వాకుంలో వైళ్లామై అనేది తము ము రోజు రీకాలో నూ, లుకి వైళ్లాము అని నరిచేసి రాయాలి - నాలున వాకుంలో కాదు అనే ము మాట పాటు నాకు ఇచ్చం లేద్దు అని రాయాలి - క్రింగ్లు ఇచ్చిన వాక్కాలను జాగ్రత్య చరిపి ము ఎక్కడవుందో కనుడ్డు ని నరిచేసి ఈ చాక్కానికి ఎశురంగా ఉడామ రణదో చుపివ చిరంగా ప్రాయండిం

... పాలు తాగు తోముకుని చళ్ళు

윘다

2" ard 56,3 5rept alen

6] 0 ,

3¹ నేను వేవరుకి చడవ చేయుగలను

젊해

🕫 ಕಲುಪುನಿ ಗಡಿಯ ವೆಯಲೆದು

Ħ.

ా కూజాలో నేళ్ళు, అయిమోయుంది

B•

్. గా గెక్ట్లు తమ్ముడ్ నెక్టులో వెర్డ

H •

7. రాడు మ్మాచ బట్మలు అరిపోయుంది

더 • '

₈. అమ్మ నాను ఇంట్లో లేదు

e fa

9. ಆಕ್ಕರ್ ಈಶಯು ನಿ ಇ೦ಱಕ್ಕನ್ ಇಪ್ಬಾರು

ಚ•

104 కుందేలు దుంపలు రిందాడు

없•'

🕕 బట్టిండా కోడిగుడ్ను వుంది

₩•

12. **%** മറന്**ರು වೆ**ದು

₽.

130 ರೆಪು ಮೆಯು ಜುಕಿ ವಿಳ್ಯಾಂ

23 =1

14• వాళ్ళు మా టీచరు కాచు

⋈ • ·

15. నేను చేసింతరాఖత హౌమ్మీచర్క్ బి.వీ చూసాను

2aì •

·16• మా ఇంఖ్లో టీ•పీ లేదు

El et

17・ ಈ ರಂಗು ವಿನಿಷಕ್ಕು ಸಾಹಿ ರೆದು

혀 •

¹⁸ి ఇత్మాళ్ళ_ామాకు స్కూలు లేదు

ದ •

19. ఇక్క తమ్ముడికి పాతం చెప్పారు

뭐 .

20• అక్క అమ్మ కి జడ వేయుమనీ అడిగిందీ

ㅂ.

21. మా దాపిలో నోళ్ళు లేదు

짧.

ాజా నాన్మ అమ్మకి ఉదు రేసుకెళ్ళింది

బ్రాంగ్ మీద బొమ్మలు వేసింద్ నేను లేదు

_{21. ఇన్నయం} బొమ్మలు బాగా చేస్తుంది

్రు, అమ్మ నాన్మగా**ధ్రిక్షి** బజారు వెళ్ళింది.

) Bi 26. నిన్మ రాము 📆 కొబ్బుకొన్నాడు

} . B• ్లా, కౌక్కగలను దిన్న నె క్రిల్ తమ్ము డు

<u>†</u> #3• 28. శిరిన్ తలువులు కిఓక్ వను ంది చెలుసురు

В 29. నిద్రహోయిది దదుచుతూ చుస్తకం ఆమ్మ

30. ఆయన మా మూముయ్యు లావు

d.

뮖:

월.

혀.

· 前· ు। గేను నీను కార్త చెప్పులు కొనుకొక్కలటాను

独해

³⁸ ಇನ್ ಯುಕ್ಷು ಆಕಂ ಇಂಟಿಕಿ ವೆಯುಕುಂಡ್

34. ಮೆಕ ಆಕುಲ್ಲಾ ರಿಂಬ್ಎು

అక్క అమ్మ లో జడవేసుకుంది 35 •

ఆ నోళ్ళదిందలు మాపి లేవు

₽.

mok! 9 Short term memory

్రామాలు: ప్రార్టికార్కు మీద నాలుగు పదాలున్నాయి. నేను ఒక్కొక్క కార్కుని కొంచెంనేపు స్ట్రామీ వెనిక్కి త్రిమ్మి వెడ్కాను. నేను ఆలా చేసిన వెంటనే నువుకి ఆకార్కు మీద చూసిన స్ట్రామ్టి గుర్కు తెచ్చుకుని కాగీతం మీద రాయాలి.

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₹ 20•

B· వాదం - వేదం - భ్రమ - బ్రహ్హ -

ఇ. కోరు - గోరు - ధర్మం - చర్మం

10 • చక్క - లక్క - రాగం - యాగం

ా 🗀 - ఆకు 🗕 ఆరు 🕒 తోక 🗕 తేలు

12¹ బెయ్యం - నెయ్యం - చన్ను - కన్ను

13ම් කව ු - කතා - පතා - දී්වා

၂೬೬೬ ಕರ್ತಿ - ವೆರ - ವಶ್ತ

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ACS 2 ころと **(1)**

43 K3 1 X **15 %**

SUE SKK 000

పస్తో శ్రీద్ధ

కేశవవర్మ అనే జెమ్ందారు అద్దు తమ్మెన మందిరాన్మి నీర్మించాలనుకుని అందుకు వేరెన్మికగన్మ శిల్పున్మి రష్పించాడు. వారికి వోరాచారిని నాయకుడిగా నీయమించాడు.

విరావారి వనిలో ఉన్న ంతనేపూ ఉక్సాహంగా ఉండేవాడుం కానీ ఉత్తప్పడు దిగులుగా ఉండేవాడుం జమీందారుకే విషయం తెరిసిందిం విరావారిలో దిగులుపోతే మరీంతనేర్పుగా వనిచేయగలడనిపించి ఒక రోజు ఆయన ఆతఢిని కలుసుకుని దిగులుకు కారణమడిగాడుం

'' నా ఇల్లున్న ప్రాంతంలో దావులన్నే ఎండిపోయాయిం పూరింరోజూ నా భార్య మూడు కోము దూరం వెళ్ళి నీరు లెచ్చుకోవాలిం నేనుంటే తనకు నీళ్ళు తెప్పివెట్మేవాళ్ళిం ఇప్పుడు ఆడిపి - ఒక్కర్మే వని చేసుకోవాలని నా దిగులు'' అన్నాడు వేరాబారిం

తన మందిరం వల్ల ప్రజలకే ఉపయోగంలేదనే సామాన్య లకు సమహాయాలు ముఖ్యా వసరమనే జమందారుకు తెలిదివద్ది, ఆయన తన ఏలుబడి ప్రాంతంలో ఎక్కడా నేదిఎద్దడి లేకుండా ఏర్పాట్లు చేయించాడు.

ម ថರ್ ತ ಜಮಿಂದ್ ರು ಕಲವೆಪ್ಟಿನ ಅದ್ದು ಕ ಭವನ ನಿರ್ವಾಣಂಲ್ ಪ್ರತಿ ಕಿತ್ರು ಎಂತ್ ಕ್ರಡ್ನಗ್ ಪೆಸಿಪೆಕ್ಟು.

್ ಕ್ರಿಂದ್ ಇಮ್ಮ ಪಡೆನ ಒ್ರಿಸ್ ಕಲ್ಲಾ, ಸುಕುರದನ ಜಾವಕುಲಲ ನರ ಅಂಬಾನ ದಾನಿಸಿ ಗ	ుర్తించుము -	
్ల కేశవవర్మ ఎవరు? ఎం. జమ్యేందారు, దీం రాజు సిం. శీర్ప్ డిం. చనిచాడు	ð	8
2. కేశవవర్మ ఎవర్షిని పిరిపించాడు? ఎ.శి శిల్పులను బి. నే. హితులను సి. చనివాళ్ళను డి. వెద్దలను	ł	8
్రాలు కేశివవర్మ ఎందుకు శిల్పులను పిలిపించాడు? ఇదు తమ్మైన కటించడానికి	8	ğ
ఎ. గుడి షి. మందిరం సి. పాఠశాల డి. భవనం		
⁴⁴ వేరా చారి ఎవర్గు?	1,	8
ఎ. నేవకుడు బి. జమీందారు సి. శిల్పి డి. నే, హిశుడు		-
5 ి వేరాచారి ఎవర్షిక్షి నాయకుడు?	8	Ą
ఎం చనివారికి బి _ి వెద్దలకు సిం శిల్పులకు డిం జమీందారుకి -	r	
.64 వేరావారి చనిచేనేటప్పుడు ఎలా వుండేవాడు? ఎ-' నంతోషంగా: బి-' విస్తూగ్గా, సి-' కోవంగా డి- దిగులుగా స్త్రా	1	ğ
7•' విరాహార్ వనిలేన్లన్నప్పుడు ఎలా చుండేవాడు?	Ð	4
ఎం దిగులుగా దిం ఉతామాంగా సిం సంతోషంగా డిం విస్తూన్నా		
8• విరావారి దిగుబుది కారణం ఏపింది?	8	Ş
aoB భሊኒ		
ఎ నేక్కు లేక్షఫోవడం బి భారు నేక్కు మోయడం		ŀ
^{బి} ి తను భార్త్మకు నవాయం చేయలేకవి వడం డి• చనిలేకుండా ఖాశ్	ా వుండడం	
9. విరాగారి జవాభువల్ల జమందారు ఏమి లెలుసుకున్నాడు?	8	9
ఎ. సామాన్ముల అవసరం ది. వ్ రాచా రి అవసరం	4	,
సిం తన ఆవ్వవరం డిం ముందిర నిర్మాణతవనరం		
10-1 వేరా చారి. జమ్మర్హదారుకి ఏమ సమాధానమిచాడు?	8	8
ఎ. తనున్మ ఫ్రాంతంలో నోళ్ళులేవని		
^{రి} తన భార్య కళ్ళపడుతుందని		
సిని తన భా ర్క కు తను నవాయం చేయలేకపోయానని డి- తనకు పనిలేకుండా <i>భా</i> రీయ మందని		
^డ ి తనకు చెనిలేకుండా ఖాళోగా వుందని		

[]•	వ్రాచాలి జవాబు పిన్మ తర్వాత జమ్యుదారు ఏం చేశాడు?	ğ	ş
	ජන ඛූහනයි බුහු රජරවේ ජව්නුගයන්		
	ఎ. నోదివనరి దీ. వసి సి. సౌకర్యం డి. ఆస్మి వనతులు		
12•	జమీందారు మందిర నిర్మాణలో మొదట శిల్పులు ఎలా చనిచేశారు ఎ. ఉరామాంగా బి. నిరుతామాంగా ని. ఆశ్చద్యగా డి. శ్వద్యగా	4	8
130	జమీందారు నోటివనరి కల్పించిన తర్వాత ఏ విధంగా శిఱ్ళులు పనిచేశారు? ఎ. ఉత్తాహంగా పి. డిగులుగా సి. ఆశ్వద్యగా డి. శ్వద్యగా	9	ŧ
14.	ఎందువల్ల శిల్పులు మొదట నిరుతామాంగా వనిచేశారు? వారున్మ ప్రాంతంలోక లేకపోవడం వలన	9	ğ
	ఎ. ఆవారం పి. నేరు సి. పని డి. డబ్బు		1
15•	నేటివనతిని కల్పించిన తరాఖత శిల్పులు ఎందువల్ల శ్రద్ధగా వనిచేశారు?	8	Ş
	చేశారు		
	ఎ. ఇంట్ బీ. నోట్ సి. ఆవార డి. చన్		
16•	ಈ ಕಥಲ್ಸ್ ನಿರ್ಧಂಶಮೆಮಿ?	Ş	9
	సామాన్యు లకు ముఖ్య అవసరం		
	ఎ- వసి దీ- డబ్బు సి- సమపాయాలు డి- నేరు		
17•	ఈ కథ్లాన్ నేద్ ఏపింద్?	ğ	þ
	ముఖ్మ వసరాలు తేరకపోతే మనుష్షులు పనిసి ₆		
	ఎ. చేసారు బి. చేయరు సి. అశ్వద్ధ చేస్తారు డి. శ్వద్ధగా చేస్తా	్తరు	
18•	జమ్యధారు వేరాచారి దిగులును ఎందుకు పోగాబ్మాడు?	9	ş
	విరాభారి దిగులు పోగాడితో విరాభారి వనిని చేస్తాడని జమీందా	ను భావించాడ	3
19•	ఎ. ఎక్కువ నేర్పుగా ది. శ్వద్ధగా సి. ఉతామాంగా డి. ఆశక్తిగా వేరాబాధ్ పరిస్మిక్తిలో నువుబంటే ఏం చేనేవాడిపి?	8	ă
	ఎ. పనిమానేస్త్వాను బి. 'దిగులుపడతాను సి. ఇంబిపనిచేస్తో పనిచేస్తా,		, 4
	,		
30-	డి - ఇంది గురించి ఆలోదించను ఈ - ఇంకేదయినా ఉంటే క్రింద వ్యా - మండరావు		ă
20•	ి ఈ కథ పూకారం చనీలో శ్రధ్ధ ఎప్పుడు వన్యుంది?	Q	ş
	ఎ. అవనరం ఉన్న ప్రుడు బి. నీతాక్ష వసరాలు తేరినపుడు		
	సి. ఆగ్రక్తి ఉన్న పృడు డి. అవకాశం ఉన్న పృడు		

- 21. ఈ కథకు '' పన్లోశ్రధ్తి' అని ఎందుకు చేరు వెద్యారు? ఈ కథ పనీలో శ్రాద్ధ ఎప్పుడు వస్తుందో చెప్పింది కావున ఈ కథ పసీలో శ్రద్ధ ఉండాల్ ఆస్ చెప్పింద్ కాబట్మ్ ఈ కథలో జమీందారు శీల్పుల వసీలో శ్వద్ధ కర్పించాడు కాబక్శి 22. జమీందారు స్మానంలో నువుంటే ఏమీ చేస్తావు? Ø j. జమందారులాగే చేస్తాను b. శిల్పుల అవసరాలు పట్టించుకోను శిల్పులు చన్నిచేశారా లేదా అని మాస్కమే మాస్తాను డి. మంధిర నీర్మార చేయను ಈ. ಇಂತೆದ್ಮನ್ ವುಂಟೆ ಪ್ರಾಯುಂಡಿ 23. ఈ కథలో ఎస్మి పాత్రలు వచ్చాయి? ١. B ఎ. రెండు బీ. మూడు సి. నాలుగు డి. అయిదు 24. ఈ కథలోని పాత్రలు ఏప్పి ğ ఎ. వేరాచారి, జముందారు బి. శిల్పులు సి. వేరాచారి, జముందారు, శిల్పులు ్డి. వేరావార్, జమాంచారు,శిల్పులు, వేరావార్ భార్య
 - 25. ఈ కథ ఎవరిసి ఉద్దేశించి ప్రాయుబడినది?
 - డబ్బు న్మ చారికి బి• మధ్య తరగతి కుటుంబ్కులకు
 - ిసిం చేదవారికి ఆందరికి ₿•

- 2. ఈ క్రింద ఇవ్మబడిన వాకం ములు సరీ అయిన వాలేదా లెబ్పి సరీ అయితే \ \ \ వేసి తప్పుడు వాకాం న్మీ కథను అనుసరింది సరీదిన్ని వ్యాయుము ఉదా? 1 కే వేరావారీ భార్యకు సవాయం చేస్కాడు >
 నరి అయిన వాకం ముం బేరావారీ తన భార్యకు సవాయం చేయులేకపోయాడు
 - ι・ జమందారు మంది మ్క్రి
 - 2. వరాచారి మంది వ్యక్తి
 - 30 శీల్పులు మొదటి నుండి ఉకాహంగా పనిచేశారు
 - వరాచారికి భారం నేళ్ళు తనుకాస్తుందని దిగులు లేదు
 - 5 ్జమ్ందారు వోరా చారిని చూది దిగులుపడ్మాడు
 - 6. జమందారు వరాచారి దిగులు వాగాబ్మాడు
 - 7٠ జమీందారు సామాన్యుల ముఖ్యా వసరాలకన్మ తన భవన నీర్మార ముఖ్యమనీ అనుకున్మాడు
 - 🔒 సామాన్ముల్ల నడుపాయాలు స్టోరిన్తో వారు 🥫 బాగా వని చేస్తారు
 - 9. వరాగారి శిల్పుల నాయకుడు
 - ು 10+ ತೆಸವವರ್ತ್ನ ೩೮ ಮಂದಿ ಸಿಲ್ಬ
 - 💶 🗗 కేశవవర్మ భన ఏలుబడి ప్రాంగంలో నేది వసరి కర్పించాడు
 - 12" వేరాచారి భారంపు తీరోజు మూడు కోయుల దూరం నుండి నేరు లెస్తుంది
 - 13. ತೆಸವವರ್ಕ್ನ ಶನ ಮಂದಿರಂ ವಲನ ಪ್ರಜಲಕು ಹಿಸೆಯಾಗಂ ಶೆದನಿ ಶಲುಸುತುನ್ನಾಡು
 - 14. చెనిలో లేనవుడు వోరాచారి ఉతామాంగా వుండేవాడు
 - 15. నోబీ వనర్మి కల్పించిన తరువాత శీల్పులు భవన నీర్మా ఇలో ఆశ్వద్మగా పనిచేశారు.

- 16. వేరాచారి ిగ్రము లెలుసుకానీ జమీందారు మంద్రిర నీర్మాణం ఆవేశాడు
- 17. కేశవవర్మ ఒక జమీందారు
- 18. వరాచారి ఒక జమ్ందారు
- 194 కేశవవర్మ విరాచారి నేఓపాతులు
- 201 ಕೆಸವನರ್ನ ಮಂದಿರ ನಿರಾಗಾಂ ಪ್ರಾರಿ ವೆಕ್ಡಾಡು
- 1110 ಈ ಕ್ರಿಂದಿ ಪ್ರಕ್ನುಲಕು ಜವಾಬುಲಿಮ್ನು
- జమీందారు చేసిన పనీ సరీ అయినదా? కాదా? ఎందువలన?
- 2. ఈ కథలో జమీందారు మంది వ్యక్తా? కాదా? ఎలా చెప్పగలవు?
- 3. ఈ కథలో ఎన్ని పాత్రలు వున్నాయి? వాబ్ వేర్లను ప్రాయుము?
- 4. ವಿರ್ವಾರಿಕಿ ಕನ ಥರ್ಕಪ್ಪನ ಪ್ರಮ ಪುಂದಾ ಶೆದಾ ವಿಲ್ ಪೆಪ್ಪಗಲವು?
- 5. ఈ కథలో జభిుందారుకు శీల్పులన్ ఆభిమానము చుందా? లేదా? ఎలా చెప్పగలవు?

- ្រា នីហាមិ ಪನಿಶೆನಪ್ಪುಡು ಡಿಕುಲುಗ್ ಪುಂಡೆಪ್ಡಾ
- 21 జమీందారు తన ఏలుబడి ప్రాంతంలో నోటివనటిని కర్పించాడు
- ్రా వేరావారి ఒక వేరెస్కికగన్న శిల్పి
- ్డు కేశవవర్మ ఒక జమీందారు
- ్రేశ్ కేశవర్న ఆదు తమ్మైన భవనం నీర్ని ంచాలనీ నీర్మయించాడు
- 6. కేశవవర్మ వేరాచారిని శిల్పులకు నాయకుడుగా నియమించాడు
- 💤 ತೆಸವವರ್ತು ವೆರೆನ್ನಿ ಕಗನ್ನು ಕಿಲ್ಲುಲನು ಪಿರಿಪಿಂಪ್ ಡು
- 🕫 వేరాగారి భార్య 🚄 కిరోమ్ మూడు కొళ్లుల దూరం నుండి నేరు తెన్నుంది.
- 🥫 ಕೆಸವವರ್ತ್ನ ಕನ ಮುಂದಿರಂ ವಲನ ಪ್ರಯಾಜನಂ ಲೆದನಿ ಡಲುಸುತುನ್ನಾಡು
- 🕪 వీరావారి పనిలేనప్పుడు దిగులుగా చృండడం జమీంచారు గమనించాడు
- ్లు శాసున్ను లకు. సథుపాయాలు. ముఖ్యా వసరమని. జమీందారు. తెలుసుకున్నాడు
- 128 విరాగారి దిగులును విగొబ్బాలని జమీందారు అనుకున్నాడు
- 13³¹ విరాగారి తన దిగులుడి కారణం తన భార్య కష్మపడుతుంటే సహయం చేయలేక పోవడమని థాపించాడు
- 14. నోబీ వసరిని కర్నించిన తర్మాత శిల్పులందరు భవన నిర్మాణంలో ఎక్కువ శ్రద్ధతో వనిదేశాడు
- 15% ಪೆನಿಲ್ ಕ್ರಡ್ಡ ತಪ್ಪಿಂಬ್ ಅಂಟ್ ಮುಖ್ಯಾ ವಸರ್ ಅು ಕರಬಲನಿ ಚಿಮೆಂದರು ತಲುಸುಕುತ್ಮಾರು

- 5. ఈ క్రింద ఇవ్య బడిన సారాంశములలో ఏది మేరు చదిపిన కథకు సరి అయిన సారాంశమో సూధించుము
- ్లి కేశవవర్మ జమీందారు. అతను ఆదు తమ్మెన మందిర నిర్మాణానికి శిల్పులను పిరిసిరోవే వేరావారిని నాయకుడిగా చేశాడు. వోరావారి చనిలేనపుడు టి దిగులుగా వృండబం గోతి గమనించి కారణం అడిగి తెలుసుకున్నాడు. మందిర నిర్మాణం కన్నా నదుపాయాలు సామాను లకు ముఖ్య అవనరమని తెలుసుకాని, తన ఏలుబడి ప్రాంతంలో నేదివనతి కర్పించాడు. ఆ తరావత శిల్పులు మందిర నిర్మాణంలో ఎక్కువ శ్వద్యగా పాత్యాహాఖు పాల్కొన్నారు.
- 24 కేశవవర్మ అనే జమీందార్గు అద్దు రెమ్మెన మందిర సిర్మా జానికి శిల్పులను పిరిపించి వేరాబారీ సి నాయకుడిగా చేశాడు. వేరా బారీ దిగులుడి కారణం లెలుసుకోవడం దావర సామాన్యు లకు సదుపాయాలు ముఖ్య అవసరం ఆసి తెలుసుకాని నోటివస్తాని కర్పించాడు. తరావత శిల్పులు మందిర నీర్మా అలో శ్ర రెడ్డగా పాల్కొన్నా రు.
- 3) కేశవవర్మ అనే జమీందారు వేరాబార్ దిగులుకి కారణం తెలుసుకాని తన ఏలుఐడి ప్రాంతంలో - నేపి ఎద్దడి లేకుండా చేశాడు - తరావ్షత మందిర నిర్మాణ చేశాడు -
- 44 కేశవవర్మ అట్లు ఈ మందిర నిర్మాణానికి శిల్పులను పిలిపించాడు. వేరాచారి భార్య నేళ్ళు మోసుకు వస్తుందని దిగులుగా వుండేవాడు. అందువలన జమీందారు నేది వసరి కల్పించాడు తర్మాత మందిర నీర్మాల చేశాడు.
 - 64 ఈ క్రింద్ కథలోని కొంతభాగము మాత్రము వ్యాయబడినది కథను చదివి మిగిలిన భాగమును పూర్తి చేయము

జమీందారు వేరావారి దిగులుకి కారణం తెలుసుకున్నాడు. సామానుకలకు సదపాయాలు ముఖమని తెలుసుకాని, తన ఏలుఐడి ప్రాంతంలో నేది ఎద్దడి లేకుండా చేశాడు. ఆ తరాక్షత

మందిర నిర్మాణంలో శిల్పులు శ్రాధ్యా పని చేశారు.

2. కేశవవర్మ ఒక జమీందారుం అతను అదు ఎ తమ్మెన మందిర నిర్మా ణం చేయాలని నిర్మయించాడుం చేలెన్మి కగను శీల్పులను పిలిపించాడుం వేరావాలిని నాయకుడిగా నియమించాడుం వేరావాలి పనిలో ఉన్న ప్పుడు ఉకామాంగా చుండేవాడుం పనిలేనప్పుడు దిగులుగా చుండేవాడుం

3• కేశవవర్మ ఒక జముందారు• ఒక ఆదు తమ్మెన భవన నిర్మా గానికి వేరెన్మికగన్మ శీలులను వికిపించాడు•

--- - తన ఏలుబడి ప్రాంతాలలో నేటి ఎద్దడి లేకుండా చేశాడు. ఆ తర్మాత మందిర నిర్మాణంలో శిల్పులు శ్వద్యగా పనిచేశారు.

1

Task 11 Identification of equavalent meaning

క్రింది కాన్మీ చాకాశలు ఇచ్చారుం. ప్రతి వాకం రక్కింది మరో మూడు చాకాశలు ఇచ్చారుం ఈ మూడు చాకాశలలో ఒక చాకం రోమై, చాకం ర ఆర్గానికి దగ్గులగా చెంటుంది

ರ್ಷ ನತ್ತು ವಿಶ್ಯಲು ಬ್ಲ್ ಶಸ್ತ್ವಂಗ್ ಹಿಂಟುಂದಿ

- ఎ. నాకు లెక్కలు చేయుడం రాడు
- 🕼 నాకు లెక్కలు ఆర్యం కావు 🥢
- సి. నాకు లెకులు ఇష్టం లేదు

్యాకు లెక్కలు చాలా కష్టంగా ఉంటుంది ఇనే వాక్యానికి క్రింద ఇప్పిన మూడు వాక్యాలలో మాకు లెక్కలు అర్భం కావు ఆనో వాక్యం దగ్గుగా వుంది కనుక దానికి '' బా') వెట్మారి.

- 🕩 మా భవరు జాగా పాతం చెప్మాగు
- an మా వీవరు చెప్పే <u>ప</u>ాత 0 బాగా అర్మం ఆవుగుబడ్డి
- b మా బీచరు నవ్వు తూ పాతం చెప్పారు
- 🖟 మా టిచరు పాతం చెప్పి నోట్లు ఇస్త్వారు
- 🕫 నాకు సినిమాలు నచ్చున్న
- 🎶 నాకు సినిమాలంటే చోరు
- ీ నేను సినిమాలు చూడనూ
- ి గాకు సినిమాలంటే ఇచ్చం లేదు .
- 31 om areo orr arcaga
- ి రాము పాటలు నేర్ను కొన్నాడు.
- ీ రాము పాలు పాడిలే దాగుంటుంది
- 🖟 တည်း วายออนี หมู่ อ
- 🖟 ్రాఫిక్ రూల్లు పాటించకపే చే ప్రమాదాలు అవుతాయి
- ్లు బ్యక్టిక్ రుల్లు ఫాటైంచాలి
- h ಪ್ರಾಕ್ಷಿಕ ರಾಲ್ಗು ವಲ್ಲಕ ಪ್ರಮಾದಾಲು ಅವುರಾಯ
- ీ ్లు \mathbb{S}^k రూల్లు గమనించక పోవడం వలన పుమాదాలు జరుగుతాయి igwedge
- ్ క్యారు కోర్టు దద్దిఫిలే ప్రజలకు నోవ చేయువము
- ి ఆశ్వన్న ప్రజలకు చేవ చేస్తారు
- ్ ఇక్కరు కోరు చదిపిలే ప్రజాలు నయం చేయువచు
- ్లీ ఇక్కరు కోర్పు చద్దిపిలే ప్రజలు నేవ చేస్తారు

٧.,

- 61 వదువు వలన *చాలా విషయా*లు లెలుస్కాయి.
- ్ళ, చాలా విషయాలు తెలియాలంటే చదువుకోవాలి
- b. _{బాలా} విషయాలు తెలుసుకోడానికి చరువు తోడ్పుడుతుంది
- ್ಟಿ. ಕಡಿಸಿಕೆ ಎಸ್ ವಿಷಯಾಲು ಕೆಲುಕ್ಕಾಯ
- 7. చదువుకుంటే మంది ఉద్యో గాలు రాళము
- ్మ చద్దుక్రున్న వారికి ముంచి ఉదోగాలు వస్త్రాయి
- bil మంచి ఉదోగాలు రావడానీకి చడువు సహయుపడు మంటి ___
- ル మువీ ఉద్మోగాలు చరువుకోకపోటే రావు.
- 8· వాయామం చేనే, ఆరోగు o బాగుంటుంది
- 🌡 ಪ್ರಾಯಾಮಂ ಪ್ರೆ ಡೆನ್ಡ್ ಆರ್'ಗೊಂಗ್ ಪುಲಟಾಮ್ 🦯
- b) ಕರೆಗೊಂಗ್ ಪುಂಡಾಲಂಟೆ ಖ್ಯಾಯಾನುಂ ವೆಯಾರಿ
- ిం కారుమం చేయుకపోటే ఆరోగు ంగా చుండరు
- 🤢 నాకు చుల్లది పళ్ళు పడచు
- J. ಪಲ್ಗಡಿ ಪಳ್ಳು ರಿಂಟೆ ನ್ ಕು ಟ್ರ್ಯಾ ಡೆಸ್ಕು oದಿ
- b. నేను **వుల్కది పళ్ళు** దినను
- సి. భల్లపి వళ్ళు నాకు నడుచు
- 10: చేగ తాగితే కానమ్ రావము
- d. కాన్మర్ రావాలంటే పాగ తాగాలి 🗨
- మీగ తాగకపాటే కాన్మండ్ రాడు
- 🔭 పౌగతాగిలే కానఎస్ వచ్చే ఆవకాశం చుంది

Name:

Task 13

మాచనలు: ఈ క్రింద ఒక కథ ఇచ్చారు. ఈ కథలో అక్కడక్కడ కొన్ని ఖాళ్లు ఉన్నాయి. కథ జాగ్రత్తగా చదుపురూ మధ్య వచ్చే ఖాశీలను కథడి అర్మం అయేయుగా పూర్తి చేయండి. ఉదా: మొదది చేరలో న్ _____ ఏ పాట్ దో చూస్తాను. నాలో వాదించు అంటా ఒక రోజున నవాలు చేశారు. ఇక్కడ విమ్మశర్మ వండితుడు కా ఐట్మి ఈ ఖాశ్లలో " పాండిత్యం " అనే పదం కథకి నరివోతుంది. కనుక ఈ ఖాళ్ని "పాండిత్యం" అనే పదంతో పూర్తి చేయాలి.

చైండిక కక్కణం

రಕ್ಕಗಿರಿ ಆಗ್ರಹ್ ರಂಲ್ ವಿಸ್ಕುತರ್ಭ ಅನೆ ಮಹ್ ಪಂಡಿಕುಣ್ಣಿ ಅಂತ್ ಗೌರವಿಂಪೆಹ್ರಾಂ ಅದಿ చూని ఓర్మలేక దంభుడనేవాడు, 'న పాండిత్యం ఏ పాచిదో చూస్తాను. నాతో వాదించు అంటూ <u>ఒక్</u>త రోజున సవాలు చేశాడు•

ವಿಷ್ಣುತರು ನವ್ಯಿ, '' ನ್ ಪ್ ವಾದಿಂಪೆ ವಾದಿ ಪಾಂಡಿತ್ಯಂ ನಾತು ——— ಅನ್ನಾಡು. ದಂಗುಡು రామ్ము వీరుచుకొని మహా, గర్యవడుతూ --- వెళ్యాడు.

కొన్నాళ్ళకు పోరుగూరి నుండి గోవిందరాజు అనే --- వచ్చి, అయ్యా మీ ఉక్కో ్ నా పాండికుం ----- ఉంది - అండుకు తమరేరాయు చేయగలరా 🖙 అని విష్మశర్మను

" ఇద్చరు ప్రండితులు ఎొద్దపడితినే పాండిత్మ శ్వదర్మన ———— 'తమకు అంగోకారమ్మెతే	5
నేను మీతో ఎోద భడతాను " ———— పిష్కుశర్మం గోపిందరాజు సరేనన్మాడుం	
ఇద్దరికి ఫాస్ ఈ ఈరంతా ఆ పాండిత్య ప్రదర్శనకు ఎంతో	
నంతోషించారు	
నాలో ఆహంకారముందే ఆది ఈనాదితో వోయింది ^{\\\} అని	٠, ١,
విష్కుశరు భారం దనికెంలో ఆశ్వరంపడి, ఆట్రై పొండికుం ధంమడి ముందు	1
త్రువంచారు - మహా పండితుడ్నెన గొపిందరాజును పురిగొల్లి పోటికి నిద్ధం చ	ş
ఓడించారు. మ్ నాకు బోధపడలేదు" అంది.	
అందుకు విష్ణశర్మ నవికి, '' ———— మూర్కుడు ్రాండికులు మూర్కుడిలో	١
వాదించకూడదు. అలా నేనూ మూర్కుడ్లే అవుతాను. చాడితో వాడించక	•
వేవడంవల్లనే నా పరపతి వెరిగింది. కానే గోవిందరాజు పండితుడు.	
చాదించకపోటే అద్ది నా ఆసమర్మత అవుతుంది - నా ———— పరోక్షించుకుందుకూ అ	ಕ್ಷ
నర్మెన పుత్కర్క్లి ఎవరితో పోటేపడాలో, హెబ్ పడకూడదో తెలియడమే ^అ నలు	,
నీనలు పండిత లక్షణం 🐪 అని భార్యకు అనలు విషయం చెప్పాడు.	

Tasks 13

స్టర్జన్నై ఈ క్రింద ఒక కథ ఇచ్చారు. ఈ కథలో అక్కడక్కడ కొన్ని ఖాళ్లు ఉన్నాయి. కథ జాగ్రత్స్ చదువుకూ మధ్య వచ్చే ఖాళ్లను కథ అర్యం అయ్యేట్లుగా పూర్తి చేయండితే ఉదా? అలా రోజులు గడిదివేరుాయి. ఏళ్ళు గడిచాయి. దశాబ్యాలు ------ శత్రుత్య మున్న మామార్కు కాలం చేశారు. శీవర్యం, కౌశవర్యం ----- తాతలయ్యారు. మమ్మ ఓ ఖాళ్లో ' గడ్డిచ్చాయ్లు', రెండవ ఖాళ్లో ' క్రహ్హ్హ్లా' అనే వదాలు నరివేకుండితే. కనుక ఈ ఖాళ్లను గడ్డిచ్చాయ్లు, క్రహ్హ్లూ, అనే వదాలలో పూర్తి చేయాలి.

చెక్కు చెదరన్ జాచ్లు

శివరుక , కోశవరుక ప్రాడ్లుక్కులు లు జేవీలాంతం కలిని ఉండాలనుకున్నారు. ఆ సమయంలో ఇద్దరికే ఒకేసారి మెళ్ళి సంబంధాలు వచ్చాయి. మామగార్కిద్దరూ ధనవంతులే కానే బర్వశత్సువులు.

వేదరికంలో ఉన్న శివయం, కోశవయం ఇల్లరికానీ కొప్పుకుని ఔశ్యీళ్ళు చేసుకున్నారుం చెరో ఉట్ట ఔశ్యీనోయారుం మామాగార్ల బద్ధ శత్యుత్యం కారణంగా వాళ్ళు మళ్ళో ఒకరినాకరు. సినిమానా మామకోరుం

అలా రోజులు గడిదిపోయాయి. ఏళ్ళు గడిచాయి. దశాబ్దాలు గడిచాయ్లు శత్రుత్వమును . మమార్కు కాలం చేశారు. శీవయం , కోశవయు ్రక్తూడ్డా తాతలయ్యారు.

్లి మారి ఒకుగానాకు, మనుముదాలు ----- పూర్తిగా మేనమాల పోలిక ^గ

ఇప్పడు రమను అంకటు ----- వాళ్ళైవరూ లేరు కాబెడ్మి రెండు కుటుంబాల్కు ఓకట్ ----- మిత్సు బిడ్డరూ సంకర్బించారు. మనోహరీకే, మాలరీకే వెళ్ళి జరిపించాలని - ------ . తర్వాలు వ్యాసుకున్నారు.

మనోహర్ వెద్మల మాట జవదాటని ----- అయితే వాడికే వెళ్ళి పిశయంలో ఒక అనంతృష్తి -----

మనువడి ----- శ్రీవర్సు నష్ట్లి 'బెద్మల మేద గౌరవం కాద్ద్ ----- ఒకరినాకరు కలుసుకొలేదు కానే షూ ------ సామాన్య మైనది కారు. ఇప్పటికే మా పాత జ్మాపకాలు -----ఇదరలేదు. కలుసుకున్నా కలుసుకోకపోయినా ఒకరి గురింది ----- తరమగా అరాలు తేసి

తెలుసుకుబట్టారి జాకారం ఇక్కువారా ఇక్కి చార్ ఈ సరిగా, నేను ఉత్తరం COMMING STATE OF THE STATE OF " a county on the --- att 1211 ments autic. ్ అయినే రీడ్ కోడ్ ఉపానుకోవడ్డి ----- ఇంగరాలంగా మేము ఒకరినకరు కానే కోశవరక్కు తా నేంద్రవేందిన్నో సిన్మ కోట్ఫోవేడికే ----- అశ్వర్యమే కథా అందులోనూ నేవి రా పోలికలు ------ కారంగి ఈన్నారు కినిమే. డిసిపి ముహ్హాన్ ఎంకో ఇంకారాలు స్ట్రాన్ సిటమ్మిగే నేను మాలర్ ముఖం కూడా manual amanual of the second of the second Above were - - - - Thirties will be shown de tation with ----- extra extra transfer and the stronger -----ఈ గవ్యు చేసేం కోన్ కోసానా - దా ఎక్కో చూడిగారు. ---- ప్రాహారం మహోహిస్ ఇండ్లో లోకి తెలుకున్న పోసినే ----- చదిమందిని జరచరిచారు. అందరిలో ఒకే గోనట డుక్కులు అంటా ఇక్కి కోశవయు ఉందికి తర్మి వెర్కారు. ------- - కేశ్వేర్యు గెలుపడరుడినే సినిమింట్లో చేరే ----లన చేశారు။ కేశవరకుల ఇండ్లో కూడా ఇగాకే ఇండుకుండారు. మాలకి వరును పిల్మక్కి మరో వరి doll ----- and the little this deter echolor ection and a section extensive states states and and కోశవయం. ఇక యుజ్జు గాగా కాగాగు ముఖ్యాలో గురువల్నారు. ----- కోశవయం అక్కడున్న యువేశులు నేగ్లో చేకోన్నగా చేకాని. జాక్ట్ ----- సుణింగా గురు వేష్, '' ఇప్పడ్కై మునలికనం వెల్ల మూ ----- కళ్ళు చిన్నే చినా కనబడుకున్నాయి కానే, న వయసులో ై---అమం ఇలాగే వీశాణ చేగాలు. కినేష చేస్తా చేసారినీ ---- నే కళ్ళు చాలు'' అర్మాడు. soppia man of a property.

రెలుగుడుబుటునే ఉన్నారు. అకే ఇంటుంటు "విళ్ళికి దార్ రేసిందీల నరిగ్నా నేను ఉత్తరం COMMENT STORY OF THE SAME ్' ఆ ముండు ాన్ ---- కోన్మాండి ఏ అన్నాడు మనోహరీ. ్ అడుకో రివిగంకోం ఉప్పట్టిందరి ------ ఇంశకాలంగా మేము ఒకరినికరు కానే కోశవ సుష్ణ - ఇా మున్న డిస్ట్రైన్ సిమ్మం గున్న పడితే ----- అశ్వర్య మే కదా. అందులోనూ నోపి నా ఎక్కుం ----- కామ్స్ అన్నారు కివయం. దానికి ముగ్రహాల్ ఎంగో -----,'' ఇదే నీటమ్మైనే నేను మాలరి ముఖం కూడా ----- ----- డు పెళ్ళికి ఉపుయుదాము 🕦 ఇన్నాడు. నర్గా, పలాల్ ----- కేశవయ్య ఇంట్లోనూ జరిగాయి. ఈ సిన్ము ఇంట్లోని ---- కాన్ అండుమేగ్యాలక్కూడా ఆశుర్మాన్ని కలిగించింది. ------ఈ గునీ ఆప్ప నగేంగానికి దునూమాలంగా ఎదుదు చూడసాగారు. ----- ప్ర*ార*ం మరోహర్ ఇంట్లో వాడి వయను వారినే ----- పదిమందిని జరపరిచారు*-*అండరిడ్ ఒకే ్దు డుడ్యులు -------- అంతా కలిసి కోశవయు ఈరికి తరకి వెళ్ళారు. ----- కోశవర్యు కంటపడకూడదని పిడిదింట్లో వేరే ---- బస చేశారుత కేశనయు ఇంట్లో కూడా జూగే ----- మాంత్రి వయసు పిల్కర్మి మరో పది మందిని -----, ఇందరీకే ఒకేరకం దుసులు వేశారు. ----- క్రేవయ్య మగవెళ్ళివారిని ఆమా నించడానికి విడిదిందటికి తరరి -------ఆయునలో ఆడవాళ్ళవర్గూ రాలేదు ముందుగా అనుకున్మ ఏర్పాటు -------ಚಿತ್ರವರ್ಯ, ತ್ರಿವರ್ಯ ಕ್ರಕರಿಸ್ ಕರು ಸುಂಭಂಗಾನೆ ಗುರುವಕ್ಕಾರು. ----- ತೆಕ್ಕರಯ್ಯ ఆకుడున్న యువకుబందర్శే పరకవా చూసి వారీలో ----- సుంఖంగా గురు వెబ్హి, '' ఇప్పడ్మెకే ముసలితనం తల్ల మూ ----- కళ్ళు దిన్నవిగా కనబడుతున్నాయి కానీ, నే వయసులో ై------అద్దం ఇలాగే పిశాల నేర్పాటు. నిన్ను గుర్విదానికి ---- నే కళ్ళు చాలు'' అన్నాడు. అందరూ ఆశ్వర్య పోయారు. ---- తల్లా త అంతా అక్క ద్వింది బయల్మేరి కేశవయ్య ఇంటికి ఉ----- శివయ్య అక్కడున్న యువతులందర్శే **పరక**హా మాస్ పారీలో - - - - దగ్గరగా వెళ్ళి, ' ' అమ్మా డబ్బు బాగా

ఎక్కువై ---- తారే ఇప్పుడు పౌగరూగా ఉంటున్నాడు కానే దిన్నప్పుడు ----- ఉన్నప్పుడు అప్పం

నోలాగే బుద్విగా చేరుల్లు వెనక్కు ------ కూర్పుని అమాయకంగా చూస్కుండేవాడు. ఆ కూర్పున్న

ర్**రు, --- చూపులు చాలు నాకు నిన్ను గురు** పట్కడానికి -----

ভাষা বাৰ্য কৰ্ম কৰ্ম কৰি কৰি কৰি কৰিছে কৰি

మనిహార్, ------ కూడా ఆశ్వరాఖనందాలలో ముదినిపోరూ,'' ఇలాంది నేఓపారుల కుటుందాలు రెండూ మా మూలంగా మాశ్వీ కలుసుకునుటున్నాయుంటే ఆది మా ఇద్దరికోల గర్మ కారణం'' ఇన్మారు.

ម ಕರ್ ಕ ಕುನ್ನ ಕೆರ್. ಮಾರ್ಟ್ ವಿಕ್ಷವರ್ಗ ವಿವರ್ಷ ಚರಿಗಿಂದಿ. ೧ ರಂದು ಕುಟುಂಬಾಲ್ ಈನರಿ ಕರ್ತು ಕಂಗ್ ಒರಬಯ್ಯಾಯ.

Task: 14

are see med

రామయ్య రెలిపెన్నవాడు. నాస్క్రికుడుగి రెలిపెన్న తాళ్ళలవరూ నాస్క్ కునే కావాలంబాడు? భమయు ఆస్కికుడు. ముదీవాడు. మందీ వాళ్ళందరూ దేవుగ్లి నమ్మాలనీ అంటాడు? ఒకసారి రాఘయ్య, భమయ్య సంతలో కలుసుకున్నారు. ఒకరి ఆఫిస్సా యాలాకరు కెలుసుకున్నారు. భాదించుకున్నారు?

- " దేవుట్లి నమ్మ కపోరే నువుక చెడ్డవనులు చేస్తావు. మూచీవాడుగా అ రహలనుకుంటే నువుక: దేవుర్తి నమ్మ లి ` ` . అన్నాడు భమయు "
- ్లి నేను వెడ్డ చైమలు చేస్తున్నా నేనీ ఒక్కడి చేరే చెప్పించు చూడ్నాం అన్నాడు రామయ్య సవాలు చేస్తున్నట్నా
- ీ ' దేవుగ్ని నమ్మ కపౌవడమే చెడ్కవని ¹¹ అన్నాడు భమయ_క ఎంటనే
- ్ ఇలా మాట్కడే వాళ్ళని మూర్పులంటారుం దేవుగ్ని నమ్మని వాడిలా మాట్కడడుం దేవుగ్ని నమ్మి లే తెరిపిలేటలు నశిస్తాయిం. తెరిపి లేకపోరే టిపిగంలో చాలా ఇడ్మంది చడాలి అన్నాడు రామయ్య గ
- 🗻 🐪 నేను రెలిషి తక్కువవాడినని ఒక్కడిచేక చెప్పించు చూడ్నాం 🕦 అంటూ భేమయ్య సవాలు వేశాడు.
 - '' దేవుగ్లి నమ్మడం కంటే తెలిపితక్కువతనం ఏముంది? అన్నాడు రామయ్య తడుముకోకుండా.
- ్ అనలు నువుక దేవుడినెందుకు నమ్మ పు? అన్నాడు భవుయు మాడు భమయు మమ్మకన్నా వెంటి నమ్ము తాను: ఎదురుగా కనిపిస్తున్నా పు కాలస్కి: కంపిసి కనిపించని భగవంగుత్తో ఎలా నమ్మే ది? అన్నాడు రామయు:
- ్ దేవుడు కంప్రికి కనిపించడు ఆయన సరాఖంతర్యామి. ఎక్కడవడితే అక్కడ ఉన్నాడు ు అన్నాడు భమయం
 - '' ఉన్నాడని మృవుు ంటున్నా వు కానే ఏడ్, నాకు కనిపించడేం? నాకు చూపించు లేదా లేదని నువుు ఒప్పుక్తో \ ఆన్మాడు రామయు -

దేవుగ్, చూడ్కానికి భక్తి ఉండాలి - నువుక భక్తి అలవర్సు కో దేవుడు తప్పక కనిపిస్తాడు అన్నాడు భమయు -

- ''నాకు భక్తి లేదు కాబట్టి దేవుడు లే డుం ఇంకెప్పుడూ దేవుడున్నా డనీ నాకు చిప్పకుం మాన్తే తప్ప నేనేదే నమ్ము నుం భక్తి లేకుండా దేవుడు కనబడతాడేమో చెప్పుం లేకపోలే ఊరుకో \ అన్మాడు రామయు
- '' భవుయు క్షణ ఆలోదింది రామయును కళ్ళు మూనుకోవున్నాడు. మూనుకోగానే భవుయ్య వాడిచెంచ మీద లెంచకాయ కొబ్బాడు.
 - ''అమ్మా ఎంత దైబు కొబ్మావురా? చెంచ మండిపోతోంది ነ అంటూ రావు

'' మూర్పడా कर्ष उत्पर्धनंत्रप्रकार '' क्या हा कर्नार्क्स

'' మరీ నుమ్మ కనపడనిచేవే నమ్మ నన్నా ను కరా నే భావను నాను చూడించు'' ఇప్పుడే నమ్ము రాను'' అన్నాడు డిమయు.

eo र विकास की कार्या के के विकास कार्या का

్ దార్గను దువించమన్నా వుగా - చూపించానుం దాన్మి పుడు నున్ను నెన్ని రీరానీం చేవుగ్యే మాపించమన్నానుం చూపించలేకపోరుగావుం కాబక్కి లేవుడు లేదని బుబకయుండి ' 'సుటూ రామయం కక్కగ్నించి వెళ్ళివే రుగాడుం

తెంరలో గావుకోకవిని ఆడుడకు చేరిన జనం పిషయం గెలుచుకుని, ' నేను లెవడిస్తే ఉందే మార్కం నాని కడిని నమ్మి ంచాలని ప్రయత్ని ంచడం చెరిప్పిక్కువ. అందుడు నేరు గెగిన శానే జరిగింది 174 అన్నారు. ఆ నర్మాన భమయం నాని కడి చేరికి వెళ్ళలేదు.

Task: 15

Questionnation

1. HANK OF PRABILITY AND THE ST

		a minimum and a management and a management of the second and the		
సూర	గనలుగ	త స్ప్రానికి మోడునుకు కోప చేసికి గాత్వార నేస్ క్లో గాత్రి ఇం కోలక్స్ కేళ్ళుకు		
1 •'	ಒ ರ	కథను గున్నులదూరోనవారికి చక్కువు చేశాగ్రము ఏకి :	Ţ	ł
		చ్చరి మాల్లు నారు. చారుకుం	•	,
	۵.	යති <mark>රාර්යේ රාජා</mark> අයුදු අප්දා		
	.50	ವುನ ನೆರಗ ವರ್ಷಸೂಪ್ ಎಡಿಸಿ ಪ್ರಾಯಿತ		
2 •'	તેજ	ించితాన్నర లోని చెబ్బునేశాన్ను ముతం ఉన్ను సమూరం ఈ మార్చి సినిమాను.	ţ.	<u> </u>
	۶.	మనకి చునకు నుంచున సౌకార్యి ని సెక్కించినకు		
	۵.	ంర్మముగాని వాలిని చేదకి చేయుకు		
	₽•	arr చెదిని దానిని గున్నుండుకాను		
3•	ນລູ	ర చడము మోడు ఆర్మము జలిస్పాన నేసిను ఏక్పి చేస్తానుల	ŧ	Ĭ
-	٠,	చడము నమించడునో రృష్ణ చేశులు కెక్ట్ క్షేమ్, సోజ్ కార్స్		
	۵.	ఎవరిన్నా అనుగుట		
	₽.,	దానీ తరువాన వదానీకి వెళ్ళట		
4 •	మేసు	ఏద్ది తొందరలో ఉండి ఒక వశ్రం చకరకంటి శర్మ్ ఏ జాకంకంటకు చేరం కే	o Chitales	9
	٠, (۵	కథ మాస్టర్ ఉన్న చాటిని		•
	ದಿ•	sa tibab is a sar asista		
		ಾನಕ್ಕಿ ಡಾ ಸ್ರಗಮ್ಮನಪ್ರಿ		
5.		మళ్ళ్ చెద్దినిన చానినే ఎదకుడు చేరువుత్తాన్ను	<u>:</u>	ţ,
	۰ (ه	ఆపీ ముచ్చి చద్దగ్గి	·	,
	Ď.	మార్తు అర్మము ఆవలేదు కాబక్డి		
	82	వేయ కొన్ని చడములను చురదివేరువారు కాట్కి		
6 •	మీరు	మంది పాతరుడు అవటానికి ఏసినేస్తారు	*	1
	۵.	మేరు చరివేటపుడు చాలా వూది మేగు నవారుము చేరుుట		•
	۵.	చాలా రెలిక్మిన పున్నకములు చగుపుట		

సి. మేరు దదివేది మేడు అర్మను అవురున్న డా లేడా ఇనీ చూడుకానుట

71	మేకు ఒక వార్కము అర్హము కారపోగే ఏగు చేస్తాను	;	4
	ఎ. ఇనీని మార్గి చరుపురారు		
	ద్రి రి చడ్రమ యొక్క అగ్మన్ను నిగిని కాగుం		
	సి. దాని ఇర్మము ఆ చేరాలో ఉన్న మిగా చాకంచులను ట్కి గ్రహించ	, * X .,	
8 41	ఒక కథరో మొడట్ రెండు చారు ముంగు పుగుందర ఏశ్యాం	♦ M	1
	ఎ. అన్న కూడా '' అనగనగా'') లో మొదలవుగాయి		
	బి. ఇని చాలా ఆనక్గా ఉందాయి		
	సి. ఇపి కథ ఎలా ఉంటుందో చెప్పాయి		
9	మ్ ట్చరు మిమ్మ ఓ ఒక కథ చరివీ దాని అర్మమును గున్నువిట్కుకొనమంకి	్ మేగు	
	ඛ්ඨා ජා	à	5
	ఎ. కథలోని ముఖమైన వాటిని గురు ఇట్టుకొంటాము	•	•
	బీ - ఆథ మొక్తము చదిని చానిని గురు వెట్కుకొనుట		
	సి. కథ చదివీ రాసిలోని చదములన్ని దీసి గుమ వెట్కువానుల		
10.	ఒక కథలో వేణిని ముఖమైన చాకం ములుగా గుర్విచగలరు?	å	4
	ఎ. ఏఎ.లే కథలోని వారిని గుపింది ఎక్కువ చెప్పాయా వాదిని	¥	Ÿ
-	బి. ఆనకి గా ఉన్న వాటిని		
	సి- ఇన్న్ ముఖమైనవే		
11•	ఒక కథలోని ఆఖరీ వాక్కములు ఎలా ప్రచ్యేకంగా ఉంటాయి?	8	4
	ఎ. ఆపి చాలా ఆనకి చాయుకముగా ఉంటాయి	•	¥
	ది. కథ ఏమ్మెందో ఆవీ చెప్పాయి		
	် ^{ညီ} း မစီ နေရ ၁ ဝ၆ နှံရှိသွာ ခြင်္ဃာရွိဇာဝွသ မြောင်း		
12*	ನುಪು ಇಕರುಲಕ್ ವಿಮಿ ವದಿನೆನ್ ಡಿಪ್ರಿಕ್ ವಿಮರಿ ಡರ್ವ್ಲ್ಯಾಕ್ಸ್	ģ	6
	ఎ. కథలో ఏమ్మెందో చెప్పాపు	¥	8
	ದಿ. u ಪುಸ್ತಕಮುಲ್ ಅನ್ನ ಪೆಪಿಲ ಸಂಖ್ಯ		
	సి. కథలో ఉన్న పాత్రులు		
13.	మేరు ఏద్దైన తాందరగా చదవదల్పుకుంటే మేరు ఏ పదములను చదువుతారు?	Å	A
	ఎ. క్రాత్మాటలు	¥	Ø
	బి• మేరు లేలికగా చదనకరిగినపి		•
	సి. కథ గుపింది చెచ్చేసి		**

14 - మీరు ఏరైన గ్రామానుకోవాలో ఇంది కోరుం చేస్తున్నారి. ఆ ఇంది కోరు మీరు నివేస్త న్యా రోజుకుంటనేకో లో సిమాన్ల ఫీస్ ఇందు నేకేందినినినేకే స్వా	*** ** ** **	
ని. మీకు ఆర్మన్ము గండాని చేశాల చేస్పు.		
15. Site Day allering the the the De the state of the		
). রক রহারসম এর _ম রক্তির্ম	₽ ₽ ₽	
ది. ఎవరిలోన్నా చాడిని దహ్ా మార్కాన్ హోహ్ గుగ్ ని కమ్మాన్యాగా తెలుసువరానులు		
సి. పుర్ వాడు ముమ <i>సమా</i> చేస్పు		
16. మేరు చరివేటప్పుడు కథరాని పోస్ట్ వేడికోస్ట్ కృ		á
ఎ. కప్పన్ని పదనుజు	Ĵ	, <u>1</u>
B. ఆనవసరమైన వాటిస్త్రీ, దక్షాక్ష్మ స్టాప్స్ట్రీ		
సి. ఆస్ట్రు చేసిని వద్దినివేయ్యాప్త		
17- ఏర్మెనా చదివేటప్పుడు మేకు ఏగ్ కన్నమూ ఉంటున్న		
പ്പ ട്ര്പ്പൂർ പ്ര്യാഗ	# B	å
దీ. కళ అర్మము కానప్పుడు		
సి. రాగలు ఏద్ కష్టము కాడు		
ిందు ఏద్దన కథ సరరా కోసం చక్కుకుంటే మేరు ఏమి చేస్తారు?		
ఎ. అర్మము కాసం బామ్మ లను చూసాము	\$	ż
δ. కథ విర్మెనంత ఈ రాగా చదుచ్చట		
ని. కథ ఒక నినిమారా ఉహిచిచ్చానుకు		
19. ఏద్మేరా చదవలానికి మొదలు పెట్టేటప్పుడు విడ్డు ఏ జగ్గాన్లలు ఒక మంది - ఎత కుడిగా టెనికాంటారు?		
ఎ. అసలు ఏమి గలోదించకుండా చడువురావు		ł
^{ది.} ఒక నరియ్మెన చోటు చూసుకుంటాను		
్. కథ ఒక సినిమాలాగా ఉపిాంచుకానుల		
20 •' మీరు ఇతరుల కంటే ఏప్పికాందరగా చదువుతారు? • తేరీకగా ఉన్న వుస్త కములు		Ş
ది. ఇద్ది వరకే చదిపి ఉన్న కథలు		
సి. బాగా బామ్ములు ఉన్న చున్నకములు		
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নেত্ৰত

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ేటారి ప్రధానంగారు గాప్ప భాషా పరిశోధకులు, విమర్శకులు, విద్య శ్వవులు, బహుభాషా కానీముు, యోగివెనంసూం, నిరావంగరూం, నినయసంచన్ములు

- क मेर्चका ठाँग्या वर्षिका
- జా. ఈ పాతము యొప్క వేగు శకుగవరిగణము.
- 2. ఈ పాతాక ంశమును ఎవరు వ్యాశారు?
- జ. ఈ పాఠాక ంశమును నేటూరిప్ప గాపరశాళ్ళి గాను వ్యాసానుం
- ూ. వేటూరి ప్రభాతరశాస్త్రి గారి పొండికారస్తి ఎలా గర్భించారు?
- ి. నేటూరి ప్రభానండితులుగా వర్కించారు. ఆనేక భాషాపండితులుగా వర్కించారు.
- 4. ఇస్ట్రీ వ్యక్తి తెక్కి చెలు వర్కించారు?
- జి. అతను సిరాడంబరుడు, యోగినశంసులు, పినయుసంచన్ను లస్త్రీ నర్కించారు.

శాస్త్రిగాకు కేంద్రం కేంద్రం కేంద్రం కేంద్రం కేవీనాడు కృష్ణమండలంలోని వెద్ద కళ్లేనర్లి గ్రామంలో ఇస్త్యించారుం సంహ్యాప్ ఆకోగా కేంద్రం కేంద్రం పెద్దవేద్ది నీరునాళ్ల శాస్త్రిగారి వద్ద కావ్య నాటకాలంగార ఏటిగాకుండి కేంద్రం చేశాకుం చెక్కవీళ్ల వేంకటశాస్త్రిగా రీకి శిశుశులయాశరుం ఇవధానాల వేశాకుం మంగ్రాము కేంద్రం కేంద్రం కేంద్రం పార్యాము చారశాస్త్రికి మంగ్రాము కేంద్రం కావికు అధ్యక్షులుగా కేంద్రం పార్యాము కావికి అధ్యక్షులుగా కేంద్రం పార్యాము కావికి అధ్యక్షులుగా కేంద్రం పార్యాము పార్యాముకు అధ్యక్షులుగా కేంద్రం పార్యాముకు అధ్యక్షులుగా కేంద్రం పార్యాముకు కావికి కావికి పార్యాముకు అధ్యక్షులుగా కేంద్రం పార్యాముకు పోష్టికి చేస్తారుం

- สายฐาการัง มีนับบ้าง มีการส่วงข
- జు శాస్త్రిగారు క్రేశ్ 1833 ఫ్రైవర్ 7 నకేదనాడు పుట్మారుం
- 2· శాస్త్రిగారు ఎకఓడ ప్రగ్నారు?
- $\omega \in S$ స్మాగారు. రృష్మానుపడలంలోని వెచ్చ కళ్ళేవర్తి గ్రామంలో బస్మించారు \circ
- ఆంగున సంఘృగాన్మి ఎగరి చెచ్చనేర్పుకున్నారు?
- ఆయన నంస్కృకాన్మి నుక్కూరి రావూగథా నుల నద్ద నేర్చుకున్నారు.
- 4. లానం నాటవాలలో ఎళాగాం ని. ఎనరి నచ్చ నేర్పు కుర్మారు?
- \mathbb{R}^{n} ్ కాన్య నాటకాబలో సాహిగాక్ స్ప \mathbb{R}^{n} బెడ్డిపర్కి సోమనాధశాన్ని గార్ వద్ధ నేర్పు కున్నారు.
- 5. ఆర్మన ఎచరికి సిన్ను అర్హుహనంగ
- జు ాయన చెళ్ళపెళ్ల నోటనఓ గాన్పై గారికి శీషు, లయారు
- 🤃 ಆಯುನ ವರ್ಕ್ಗವಿಕ್ಕ ಪೆಂತಟಗಾಸ್ತ್ರಿಗಳಿ ವಸ್ತ್ರವಿಂ ನೆರುಚಿತುನ್ನಾರು?
- జా. ఆయన దెళ్లపిక్ల నేందటశాస్త్రిగారి వద్ద అవధానాలు నేర్చుకున్నారు.
- የነරාነኝ ఎక్కడ దక్తుగ్రకుళ్ళాగు?
- జా ఆయన మద్రా నులో తెల్కెట్ ప్యాన్కూ లులో చదువు కున్నారు.
- ఆయన మహ్మానులో ఎక్కడ పనీచేశారు?
- జ. ఆయన మద్యా సులో ప్రాడ్య రిఫిక ఎన్నక భాండాగారంలో మద్యాను రాజధాని కళ్యాశ్రాలలో పండికు లుగా పనిచేశారు.
- ∍∙ాయన ిరమెంలో ఎక్కడ ఏ చని చేశారు**?**
- బం ఆయున గిరుహింలో గ్రం చేంకటేశం క ప్రాదంకళాశాలలో ఆంధ్రశాఖకు అధంకముంగాను, శ్రీ చేంకటేశ ఎర ప్రాదం చెన్ గోధన నంస్మలో రోడరంగా చనిచేశారుం

ాన్స్టిగారు మే మండా ను కేందాకుం నేగి సిన్గి, కన్నుకేవి, కన్ని కధ, పిశ్వానము, ప్రతిమానాటనము, కేంద్రాకోసు, కృవార కేందాకుు, కవారా సినీకం, తంజావూరు అంధ్రం బుల చిరిగుము చాటనకు కుండి నినిగి సంగారం కేందాకున్న తెలుగుముంగులు, మేగడనుకులు, పంజాపు భువరము ఇవేవి వారి కెఫ్టింగ్ కేంద్రం, కేంద్రంలో కోడ్డి ఉన్నుండాలు, కేందాఫీ మండి, రంగనాథరా మాయుణం, చారిపిలానం, అన్ననాచారం కోవించారు కేంద్రంలో కోర్మకే పోసికి కోట్ గుండాలను పరిశంగింది వాళికి అమూలు వైన వేతికలు రసించారు. కోవించాలు, కంగుకోండి, గోమగు, గురుకాక, మానవర్సి, మ్యుంపర్సీ నంది మనేషులు శార్పింగారికి ఎన్నికొనయి.

- ւ ಹಾಸ್ತ್ರಿಗಾಗು ಪ್ರಾಸಿನ ್ನಾ ಗ್ರಂಥಾಲ ಪೆರ್ನು ಪ್ರಾಯುಯು?
- జు కార్పిగాను డ్యాసిన కోషి గయాలేవనగా నోపిస్త్రి, కడుపుకేప్ప, కపోతకథ, పిశ్వానము పూతినూనా జవనుు, కరహైచనుు, శృంగార శ్రీ నాథము, కనకా భివేకము, తంజావూరు అంథ్ర రాజుల చరిత్రము, చాట వర్య నుషిముంజరి, పూబంధరతామై వళ్ళి, తెలుగు మెబుగులు, మోగడనభకలు, ప్రజిక్షి పూఛావరము
- 2• ్రాతను ఏ గ్రంథాం పరిష్టరింది విశ్రీకలు ప్రాశాడు?
- జు ాశను బనవవురాణల, క్రోడాభిరావుం, రంగనాభరామాయుణం, మారీశ్రీలానం, అన్నమాబార్య కోర్మనలను వర్గిమ్మరింది వోత్రీకలు బ్రాశారు.
- ూ. పరిష్టర్స్ట్ పోత్రీకలు వాగ్రామడం ఇండే ఏమ్మిహ్మ్
- జు. చరిషం కింద్ నోతికాణ క్రాయకం అంటే సిశ్లేసింద్ తా శృద్యము ఇవ్యడము.
- శాస్త్రిగారి సన్మిహిళులు ఎవరు?
- జ· శాస్త్రిగారి నన్నీహిళాలు కొమర్గాజు, కందుకూరి, గిడుగు, గురజాడ, మానపర్లీ, మల్లంపర్లీ రాశ్యవర్లీ వందివారు•

ప్రజ్ఞాప్రభాకరము ినే గ్రాంథము శాస్త్రిగారి స్ట్రీ రుచరిప్రం వారీ సిశ్చితాధిప్పాయాలూ, ధివ్యానుధూకులూ, ప్రవృస్తులు, ఈ గ్రాంథంలో వెల్లకించబడ్డాయిం ప్రస్తుత పాఠ్య భాగం శకున పర్గణనము ఈ గ్రాంథలలోనివే శకునాలను చూచకం వ్యక్తమనే అధిప్పాయాన్ని ఈ పాఠం సృష్టంచేస్తుంది.

- ಕಸ್ತ್ರಿಗ್ ಸ್ಟ್ ಯುಪರ್್ಯಿ ಪ್ರಾಸಿನ ಗ್ರಂಥಂಪರಮಾಡಿ?
- ಷ. ಪ್ರಜ್ಞಾಪ್ರಭಾ**ವಮು**.
- ሉ గ్రంఖంలో ఏం వెల్లడించార్కు
- జ. ఈ గ్రంథంలో శాస్త్రిగారు శను నిశ్మీ కాథిప్పాయాలు, దివాక నుభూశులు, ప్రవృత్తులు వెల్లడించారు.
- তঃ বৃহত্তর এইপাল্লতা ఏ প্রত্বতহানীটা?
- జం ఈ శకున చరిగుము ూన్ పాత్యభాగం ప్రజ్ఞాప్కభావము అనే అతని న్యోయదర్శు ల్మైన్రిస్తిం
- 4. ఈ పాత్య భాగంలో ఇకను వెలిబుద్బిన ఆభిప్రాయం ఏపింది?
- ఈ పాఠ్య భాగంలో నకునాలను చూడడం వ్యర్తమనే అధిప్పాయాన్మి స్పష్యం చేశారుం

అబ్బాన నిహినప్పె సుబాము చే చేశారుంచట నిప్పియుద్ధు ంశవు తలంపులు నిండానియున్నవి చెద్ద బెద్దను, కొమ్ము పె పినిగిన నీడిఇ అనులు, మహాన్మన పదవులందున్న వారు గూడ నించనుండి యేదేని చని బేదు బయటికి బెడలునపుడే మాగా నేను రు చెడ్డు చన్నా లోయని చరిశోలింతురు. కన్నా మములో నెట్మి చరిశ కగునేమో, ఆర్మవల కమాగునేనూ గాడినేలుకొలపి ప్రజలు గలనగరములలో నెట్మి చరిశోలనము చికాకుగాలు నుం నమకాలముననే చేస్తుంగా పుడుకున్నల చండా శవస్త్రోం అన్నట్కు కలసికట్నుగానో, ముందు బెనుకలగానో నభర్వాలు చంది బ్యాన్నా ..మ.ఎ, మాల్యగు బ్యాన్నా ణులు లారశీల్కునునే యుంచురు. ఇందు పాత్యా రు ఎగ్రాంక చర్య ములు చర్యా లోపిలచునుంచురు. మూలు పులు మార్గా విశ్వ సించు మాన్న ఇమన ఎదురుగా వద్దినప్పుడు కాన్య ము నీర్య క్రవమాగా నీర్య నాణము బెందునో. వారు పిశ్వ సించు శకన శాన్నుమున కవనాదముగా చిశ్వ సించుకుత్వలు ... వారట్ను చెచ్చినప్పడు ముంది జడుగుటికేమో కారణములు, యుక్తులు ననంపర్య ముగాను పాలశువుగా గణించులు కలరు.

- దేశవులనటా ఎటునంపి నటపులు సిందియున్నది?
- జ- దేశమం తటా ఆపధ్య శప్ప తలపులు నిండియున్మ దీ-
- 2. ఎందుహాన ఇక్కి చాప్పు శచ్చు పలచ్చలు సిండియున్నది?
- ಜ- ಆಷ್ಕಾನಮು ವಲನ ಇದ್ದಿ ಇಕ್ಕು ತಪ್ಪು ತಲಪ್ರಲು ನಿಂಡಿಯುನ್ನ ಡಿ-
- 3• వెర్డ్ వెర్డ్లు లొన్నులు పిరిగిన దిర్యాలనులు, గౌప్పవదవులలో వున్నవారు ఇంటినుండి ఏదేనీ వని మద బయాల చేరినప్పుడు. ఏమి చూస్తారు?
- జు. వెద్ద వెద్దకొక్కు లు దిరిగిన దిద్యా ంసంబ గొక్కవదపులలో ప్రాన్మ వారు ఇంటినుండి ఏదేని వనిమోద బయలు దేరునప్పుడు ఎవరు ఎవరు ఎదురు వచ్చుచున్నారో ఆనీ చూస్తారు.
- 4 ఎవరెవ్మ రు ఇంశ్నుండి ఏదేని చనిమేద బయలు దేరినపుడు ఎవ్మ రు వచ్చుచున్నారో అని పరిశ్ లిస్వారు?
 - జ. వెద్యవెద్యాలు, కొమ్ము లు డిరిగిన పిదాన ంసులు, మహోస్మ త వచ్చులలో ఉన్న వాగు కూడ ఇంటినుండి 'ఏదౌని చనిమోద ఒయుక్త్రి వెడలునప్పుడు ఎవ్మ రు వచ్చుచున్నా రో అని వరిశోలింతురు.
- ్ ఇబ్జిచరిశోలన అనగా నేపిు?
- జ•. ఇవ్మిపరిశోలన ఆనగా ఏదేని పనిమీద బయటకు వెడలునప్పుడు ఎవ్వరు వమ్మమన్మారో అని పరిశోలించ
- ఇబ్హీసరిశ్రేలన ఎవ్మ రికి తగును?
- జ• ఇద్మిపరిశ్రీలను గ్రామములలో ఉన్న వారికి తగును•
- ? ఇద్ది పరిశోలను ఎప్పరికి అర్మవంతమాగునూ?
- జ•ాప్హి, చరిశోలన కుగ్రా మములగో అర్మవంతవ చును•
- రి కుగ్రా మములలో ఏది ార్మగంతము, తగును?
- జ. పుగ్రా మములలో బయుబకు ఏడేసి చెనివేంద బయులుదేరినక్కుడు ఎన్నరు ఎడురు నమ్మ మన్మారు అని ముడకం ర్వమగము, తగును

- ా ఎంపువలన ఈ పరిశోలను కుగ్నామములోని వారికి తగునుం
- జ. కూగ్రా మములలో తక్కువ పుండి ప్రజలు చ్చండుంచే ఇట్టి చరిశేలన తగునుం
- 10. ఇప్తి చరిశేలన ఎక్కడ దికాకు గొల్పును.
- ఆ ాన్మి పరిశోలన నగరములలో చికాకు గౌల్పునుం
- riv ాబ్మి పరిశీలన ఎందుసలగ నగరములలో పికాకు గొల్పునుi
- ా నగరములలో వేలకొలది ప్రణాం న్యంటారు కాబెక్టి దికాకు గౌల్ఫునుం
- పంచశభన్స్, పంచాశుభమ్ ాండే ఏమికి ?
 - జ- ్యాయనే శుభములు, ్రాయను శ్రాశంభములు అని ఆర్మము
- 13. నగరములలో మనము ఒయులుచేరే సమయానికి ఎట్లు కారసిల్లుదురుగ్గేనిడురువడునూ ఎంటారుగ్గ
 - జ. నగరములలో మనము అయులుపేరే నచుయానికి వోధులలో కలనికట్నగానో, ముంగువెనుకలుగానో, నభర్మకలు, అభర్మకలు, ఇంటి ప్రాహ్మణులు, చలుఖరు బ్రాహ్మణులు తారనిత్తుచూనే యుందురు
- 14• ఇట్లు నభర్మకలు, ఇభర్మకలు, ఇంద్.బ్రావ్యాములు, చలుణరు బ్రామ్మాములు శారనీల్లడాన్ని రచయిన చేస్కో ఎక్కావు•7
 - జ. ఇట్లు నభర్మకలు, ఆభర్మకలు, ఇంటబ్బాన్నా మలు, చలువరు ద్వాన్నా మలు కారసిల్లడాన్ని రచయిన చంచినున్ను, చంచాశుభమ్మకో పోల్వుడు.
- 15. ఎందువల్ల వోరు కారనీల్లడాన్మి చంచశ భమ్, చంచాశుభమ్స్ పోల్బారు?
 - జం గంచాకుగ్గమ్ ఇంటే అయిదు కుభాలుం నభర్మకులు, చల్యు రు బ్రామ్మా ములు తారనిల్లినే శుగ్గం జనుగుమందనే నమ్మ కంం అలా చరుసగా విరుచనే అన్ని కుభాలే జరగాలిం అలాగే అభర్మకలు
- అంటే భర్తలేనివారు సిభవాం ఇంట బ్రామ్మాణులు ఎదురుననే, అనుఖాలు జరుగుతుందనే నమ్మ కం ాలా చరుళగా వేరువనే, అన్మీ అనుభాలే జరగాలి అలాగాక భర్తఉన్మవారు, భర్త లేనివారు, ఒంట బ్రామ్మాణులు, పలుశ్రు బ్రామ్మాణులు కలసివనే, శుభాలు, ఆనుభాలు అనుభాలు కల్లి జరగాలి ఆర్మం
- 16. దేసిలో చేర్యా చర్య ములు ఆలోపిస్తారు?
 - a. ఈ శకునాలను చూశడంలో ఎౌర్య వర్య సులు వఖందువైన
ను కలు ఆలోచిస్తారు.
- 17. វకున 'jశాస్త్రానికి అపనాచంగా దేసినీ విశ్రశ్రీ సిస్కారు?
 - జం భలాని పిశంశువు , భలాని బ్రాహ్మ బుడు ఎదురుగా నెప్పినప్పుడు కార్యము నీర్మిక్సముమూ √చక్రము≬ లేకుండా పక్కగా నీర్మహాణ చెందునని ∮జరుగునని∮ అనుకోవడం శకునశాస్త్రానికి అవచాదుగా భాపిస్తారు•
 - 1ఆ· పిశంకుప్పగాని, ఒంటబ్బా హ్మాణుడు గాని ఎదును వద్దినప్పుడు మంది జరగాలంటే వారేంభాపీస్తాను?

ూము ప్రామాలోను కేంద్ర కార్యాల్లో కేమ చేమానుడో, కమ్ముడో, ఇన్నో కెయినను ఎమరా వేస్ట్ర్ కే స్ట్ర్ కార్ కార్ సిన్స్ స్ట్ర్ క్రైవేస్ పాడ్యుగాన్ 3గుడులో జర గుమండునుం గ్రామంలో సార్యమ్నా సాంగార్ సమ్మాన్ సినిమాలు వర్షినలో గర్హ్హిందు బయు ప్రయాణము నీయు/మరులు మరుగున్న లో లోకం - గుక్ కాలనే - ప్రైవేహకున్నులులునే ద్వాస్త్రికి తున్నాయినను గూన సనకు విశ్వారు) విరుదుగా చేస్పు చేస్తో చేస్త్రి స్టార్స్ కార్ తేరువ చేతేవులనట్ల పుర్యాణముల నాట్సకొనువారును, ని కార్యముగా గుండిని కాడిని నిర్మాణంగా సిమానిటీ సహిగా సాగించుకొనటేక ఎదురు విద్యున వారిని గర్జించుంచే తార్చిను చారి చేశా కాండుకాను కోడ్మి వ్యేవమ కెము కొను తానును నెందరో ఉన్నారు. ర్మాలు ಪುರುಣಮುಂತು ತನ್ನು ನಟನೆಸ್ಕ್ ಪರಿಸ್ಪಾನವು ನೆಂಕುವು ಅನುರುಣ ತನ್ನುನ ಮುಸರ್ಕಾರುಲಕ್ಕೆ ಕೌಂತನೆನಿಗೆ గ్రాఖ్యాల ముండుగానే మండు కార్యాలు చేసువాడున్నారు.

- ా పుయాం చేశరం ఎవరం నేస్తిన్ నేఖరుకోవులా ముయు దిష్టించుకోని గర్విందుకో, వాచుముగానే తెగుడు かなどばむ
- అాము ప్రారాహాసాస్తు చేశనం అ్పాన్నా ఉన్నా, అనడు కుమారుకో, అన్నా, తమ్ము డో అయినను ఎదురూ చెప్పి కేస్ కేస్ కేస్ కేస్ కార్డు కేస్తుందుకోని గర్జ్హించుకో తాదు ముగానే తెగడుకో చేనెదురు.
- 2. Showing I should be all the
- a. కేన ఇంటిలోనీ సా^{ర్వా} అనే పి. చేశారుకులా చె_{న్}నను తీకుంకుత్తలు <mark>నద్ది నచో గర్</mark>ట్లించుకుయు, ప్రాయణము Bernightorn . " i' i' i " 20" 2.
- a me det the let
- జు. ముక్ సినిన పి.ష*్ట్ బ*ు. ప్రార్యా ముంటున్ క్యాప్తి, విశ**ి**రుమే అయిననూ, కూడ తు**నూ** వి తంతున్న . Miller that the total
- ఈ శరున చరిడు నించు కుము బాఖ్యహనువారును, తప్పని గరిగా ప్రయాణమైన ∤అని వార్యము ಸ್ರಯಾಮ್ಮನ; ಾರ್ಮಾಲ್ ಸಿನಿರುಸಾನ್ ನಿಸ್ತಾರ್ಡ್ ನಿರ್ನೀಸಗಿಂದುಕ್ ನಲೆಕ ಎದುರು ವದ್ಯಿನ ಪ್ರಾನಿಸಿ గర్జించుబడే ఎడ్డాను, ాదీ ముటుంబముకోను, దోర్మ వెర్గరము శ్రీశాశ్యత శత్రుత్వముశ్రీ ను తెము ಶನುವಾರು ಎಂದರ್ ಪ್ರವಾಧರು.
- 3. రె.లు ప్రధమాన్యాన్న గనువ ముహూర్డ్ పరిగణము చేయుటకను ప్రజలే ఏం చేస్తారు ఇ
- ఖ రె_{ట్}లు ప్రాంఘా ఎముజున కనున ముమా కార్త పరిగణననమ చేయుటకు అనుకూల శకున ముహళార్తాదులక్తె ಕೌರತನಪ್ರ ವಿಜಿನಿಕ್ಯಬ್ ನೆಡ್ ವರ್ಷಾ ಮುಂದುಗಾನೆ ಪ್ರಯಾಣಮಗುವ್ ವೆಯುಪ್ ರುನ್ಮಾರು.

వన మంది చెక్కుకు మెక్స్ పువర్తకుంచున్న, మన నవ్కార్య స్వృక్త్ను బలనుచే మన మందిని మనమే సాధించుకొనే గళ్ళుకునువుకాక కోలేనంనున పట్ముడలలో నర్మించు నారిట్టి బిలిపి చకాకులకు పాల్పడరం మంది శకునము కెన్మిందికో దుస్పుక్ కములు గలుగు గుప్పించుచున్నను గూడ శాస్ప్రములు పువుకాణమని ప్రామాణకుని ప్రామాణకు సేశ్వరుము లేకున్నను దానినే వీశ్వ సించయుండ వలనని దానినేనో స్పోకములు దాశాకించును సనుప్పించుకొను చుండుకు యజ్మానపు పిరికితనమున వలదా? గర్శవతులు గ్రామాణముల జూడరుకుకుడు, కోవారము నాడు సికిక పద్మడి తీనరాదనుకు, రాత్రులందు లవణము చేరు ఉప్పుతన్న చెలుగు కోరే చేర్కొనరాగము గలవణము – బుక్ములోనీది – చెప్పరా నీది ఇత్కాది విస్తనుల చెలువ వచ్చునుకి మొదలయున విక్మికేళ్ళ

- మన మంది చెడ్యలు దేసి మీద ాధారహహుకుంది?
- జు మన మంది చెడ్డలు మన ప్రవర్మన వేచు ఆధారపడుతుంది.
- ా నున మందిని ఎలా సాధించుకో గల్కుదుము?
- జు మన ముదీని నున సత్కార్య సస్సంకల్ప బలముచే సాధించుకొనే గల్కుడుము
- ఎవరు చిట్టి చికారులకు పాల్పడరు?
- జ• మన మంది చెడ్డలకు నునమే ప్రవర్తకులమనో, మన సత్వార్క సత్వంకల్ప బలమువే మందినీ మనమే సాధించుకాన గల్కుసును అనే లోతుయున [గెగ్మి] పట్కుదలతో వర్తిందువారు ఇబ్బి చిలిపి దోకాకులకు పాల్పడరుం
- ఎద్బి దిరిపి దోకాకులకు పాల్పడరుణ
- జ- ^ శకునము చూసి చనిచేయాలనే చేకాకులకు పాల్పడరు.
- 5. అజ్మానప్ప వీరికితనము అని దేసి నంటారు?
- జం మంది శకునములను ఎస్మింటికో దుష్పరితములు గలుగు చుండుబ దుశ్శకునములకు ఎస్మింటికో నెక్ఫోలితము లు గలుగు గుర్తించినా కూడ, శాస్త్రము ప్రమాణమని తగిన ఆధారము లేకున్మను ప్రామాణ, నిశ్శ యము లేకున్మను గైదానినే పిశ్శ నించుచు , నమ్ము చుగ్గ్ ఏపో శ్లో కములు ఉదాహరణ నిప్కి సమర్మిం చుకానుట అద్మాన పిరికితన మంటారుం
- 6. శకునములు చూనేవారు, చూనే కొన్ని శకునముల గురించి వ్యార్థుము?
- జ. శరునములు చూనేవారు, గర్శవకులు గ్రామాణములను జూడరాదని, ఆదివారమునాడు పిరీకి పద్మడి తీనరావని, రాత్కులందు ఉప్పు వేరు చెప్పరాదని మొదలయినవీ.
- 7٠ ఉప్పును రాశ్రులందు ఏమనీ చెప్పాలంటారు?
- జ• ఉప్పును రాశ్ర్ములందు లవణము ఈ బుట్మలోనీదీ చెప్పరానీదీ ఆనే సిధ ములుగా చెప్కారు.

మన తలపూలో నెంగు ే, కోరాలో కుంసి వెనుగులు వెనకేసుకొని సాగుసున్నవి. చెడుగు ని ంగము నెంగికోరను కోర్కి కేస్స్ నెంకోకుం ఉన్నము లెర్మగా నెక్మగా నెక్కు ము హెచ్చి కొళ్ళను ూంగిరించుకోని చేశ్వను చెంకాలి కుంపోక్ కోరుకేష్ కోర్కె పు నులుు వడగా బంగారుకు వెన్నె హెచ్చినట్ను మానవునిలో పెచ్చుకోన్నానుం కడ్నాన్ ప్రాక్షాలు నెలు చెలిగి కృగాప కూరంచము నాలుగంచుల వూడా సంప్రము ఇల్ల సాజమాడ గెల్మన్ను కోస్ హెక్ కులాక్కలుములయిన నీరర్మ కాటారనుులు కొలగిపోగలవుం

- 👝 สมอธิ สิรัสรา วิวัลุรั 🕾 🗝 อาก
- ్ఞు ముంది తెకపోవాల తున్నా ఉప్పులో, ముందో సనులలో చ్రశాఖయిత
- ా. మంది చెడగులు ఎలా చెన్నాయి?
- జ- మంది చెపగాలు వెననికుహెస్ నృన్మాయి.
- వానగ్రెడికి ఇంతను ఏపి దారతిడు ?
- జు మాన్రవ్యడ్డికి చెడుగులేసి అగున్న నుంచితననను ఇంకను చౌరగలేదుం
- చూరవునీగో ఏఓ వెరగజాదే, నుం
- జు జన్మము గెన్నగా నెన్నగా సెన్న్ ము గ్రీ మందిగ్రీ సౌచ్యి కోళ్ళను గ్రేచెడులనుగ్గ తొలగించుకాని, మేళ్ళను గ్రేమునినిగ్గి ఎం.స్ట్నించుకానగలెనన్మ గ్రేమ్మి చేసుకోవాలనే లేక ఎందుకోవాలనేగ్రీ కోర్క్ మానచ్చనిలో ఎరగజాబ్బను
- 5. ఈ హోర్కెలు ఎలా 3రగజాద్మాను?
- ಷ- ಪ್ರಥಿಸುಖು ಸಡಗ್ ಸಡಗ್ ಪ್ಲಾಗ್ ಕುತ್ತು ವನ್ನು ಸಾಮ್ಟಿ ನಟ್ಟು ಪರುಗಿ ಪ್ರಾನಿಸಿಕಿ
- తృటములు చడగా పడగా అం. ఏపీపీపీ?
- ഷം മാന്നാരു മാപ്പന്ന ഒഴു നമ്മ്യം
- 7٠ ఈ సామెకని నూనవృస్తి మందికనము కార్కేళా ఎండుకు పోల్బాడు?
- జు అంగారు ఎలాగయికే కాలహా కాల్మగా వన్ని వెరుగు సుందో మానవుడు కూడ జన్మ లెక్తేగా ఎత్తగా మందితనము వెకుగుకుంది ఆనీ ఆర్మము
- ఆ• నద్భావ ప్రాబలు ము కరిగినప్పుడు ఏమి తొలగిపోశ్రుంది?
- జు నద్మా వ స్రాబలక్షము కెలిగినప్పును దేశజాతీ కులాశ్ర యములయిన సిరర్మకాచారము తొలగిపోప్పనుం
- 3- దేశాజాన్తి కులాశ్రతుముగు నద్భావన కర్గీనినప్పడు ఎందుకు తాలగిస్తాకుంది?
- జ. సర్మానన ప్రాబల్యను కలిగినప్పుడు ప్రచంచము నాలుగందుల ప్రజా సంప్రమునెల్ల పాఱజాశాడు శ్రీచూచడానికి శ్రీ డోశ జాతీ కులాశ్ర్యములయిన నీరర్మ కాచారములు కౌలగీపోకాయి.
- పై సిపంకుం ఎవరు చెప్పారు?
 - జ. బె విషయం రచయి చెప్పారు.
- 🕕 రచంపు ప్రకారము సిరర్మ కాచారములు ఏసిగ
- జ. రచయిన వ్యవారనుు దేశజాతి కులాశ్రయములు నీరర్మకాచారములు.

సాంధిన శాస్త్రము హాగ్రామా ప్రాంతప్ప శేశోవ స్ట్రి త్రి

భూముడ్డు రోఖా ప్రాంత గ్ కాష్ట్రాన్స్ ఉచ్చనుండల వరషాతపు అరణ్య ముబు లేక సతతవారిత ఆరణ్య ముబు లేక నెల్మాలు లేక అమాజాన్ రకపు శ్ కాష్ట్రాన్స్ అనీ అంటారు

🔰 ఉనిక్,పిస్త్రతీ

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뀒.

<u></u>없•

ఈ ప్రాంతము భూ స్మార్గు కిరుమ్మై 10 ఉత్తర అకావిశము నుండి 10 దక్షిణ అకావిశము వరకు ఒక దిరికగా వాగ్ పించియాన్న దీ రిక్ రకవు శేతోష్ట్మికి ఉన్నప్పాంతాలు ఇది.

దక్కి : అమెలికా: - జమాజాన్ పరోవాచాప్తు చేశము

ಆಸಿಯಾ - ಮತ್ಸೌಯಾ, ಇಂಡ್ನಿಸಿನ್ನು, ಸ್ಯೂಗಿನಿಯಾ, ಫಿಶಿಪ್ತನ್ಸೆಲ್ ಭಾಗಮುಲು

· · 本かかない さか つき ずいなるである いい こ ごろっす かいかっない

ా. భూముగ్గు రోఖ శోన్ షహ్మిక్ ఎంక వరకు వ్యాపించియున్న ద్వి

ా రు రకపు శోగాగ్మన్మిన్ సర్మా ఇమెరికాన్ ఎకుడ పున్మది?

ఆఫీ, కాలో ఏ ప్యాంతంలో పుంసి?

5. ఇస్యాలో ఏ ప్రాంతంలో భూమధ్య రేఖా ప్రాంత శేతోష్ట్కిత్ ను మ్మెట్?

ిాశ్వర శాస్త్రము ,

ล. สุรณีผู้ผู้สำ

ఈ ప్రాంతము భూముకు రేఖకు దగ్గరలో ఉండడం వల్ల సంవత్సరము పోడవున అధిక ఉన్నోగ్రత ్లి నుండి ఇం సి. కి. కి. మాముకు రేఖకు దగ్గరలో ఉండడం వల్ల సంవత్సరము పోడవున అధిక ఉన్నోగ్రత అన్నా కేసెం. గే కన్న కక్కువగా పుంటుంది. మాముకు పు నడినెక్కివె. పు కాశించుకువే సంవత్సర సగటు ఉప్పోగ్రత ఇంచుమిందు 26 నెం. గే . ఉంటుంది. రాత్సులు చల్లగా పుంటాయి. అందువే కొందరు ఈ రాత్సులను ఉప్పమండలపు శీశాకాలము అని అంటారు.

భూమభ్య రేఖా ప్రాంతంలో సంవేశ్వరం పోడవున ఎంత ఉప్పోగ్రత ఉంటుంది?

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- ా భూముధ్య రేఖా ప్రాంతంలో సంవాచరం పొడవున ఆధిక ఉప్పోగ్రత ఎందుకు ఉంటుంది?
- ాం భాము ధం రోఖా ప్రాంతంలో చేచిని , శోతాకాలపు ఉమోగ్రాతలో భోదం ఎంత వృంటుంది?
- 4. ఈ ప్రాంకంలో నగటు ఉన్నోగ్రత ఇంచుమీఎచు 26 నెం గ్రేడు ఉండటానికి కారణమేమీమీని
- 5. ఈప్పా ంతంలో రాత్రులను ఉష్ణమండలపు శీతాకాలము అని ఎంగుకు చేరు?

సాుఫీక శాస్త్రము.

ఈ ప్రదేశము ఎక్కువ ఉన్నోగ్ర తను కలిగి వ్యంటుంది కాబట్టి నేరు ఎక్కువగా ఆపిరి అవ్రత్యా ఉంటుంది. ఈ వేడిగాలే కేలక్కై వె.కి పోతూ ఉంటుంకి. ఇది సంవత్సరము పోడవున, ఇదట సంవహన వర్మములను కలుగజేస్యుంది. ఇక్కడ సంనత్సర నగటు వరమాతము 160 - 350 నెం.మీ మహ్మలో ఉంటుంది. నరమాతము సాధారణంగా మహాత్మా సమయములందు కలుగుతుంది. ఇద్దట వర్మము ఈదురు గాణులతోను ఉరుములతోను కూడి ఉంటుంది. ఇద్దట వరమాతము సూర్పుని వెంబడిస్పంది. అందువే, రెండు గరిష్ట చరిమితులుంటాయి. ఇద్దట వివిధ కాలములు శ్రీముతువు లుశ్రీ లేవు.

- ు ఈ స్కాంగంలో ఎక్కున ఉన్నిగ్రాతను కలిగి ఉండటం వలన ఏవకాకుంది?
- 2. ఈ ప్రాంతంలో సంవహన వర్మాని ఎలా కలుగు తుంది?
- ్ఞం ర్యాప్ సంవర్యం నగటు వరషాతము ఎంత్రి
- 4. ఈ ప్రాంతంలో పర్మహితము సాధారణంగా ఎప్పుడు కలుగుతుంది?
- 5. రణప్పాంతప్ప వరాఘు ఎలా వ్యంటాయి?
- గద్దు ట రెండు గరిశ్మ పరిసింశాను ఎందుకుంటుంది?
- $7 \cdot .$ ರೆಂಡು ಗರಿಸ್ಕ್ನ ವರಿಮಿತುಲು ಅಂಟೆ \mathfrak{a} ಮಿಸಿ \mathfrak{a}
- జా ఈ ప్యాంగంలో ఋసమ్మ లు వ్యంటాయా?
- ార్ హ్యాంతంలో ఋకువు లు ఎందుకు పుండవు?

సాస్టాపశాస్త్రవు

ైన్ జా జాగ్జక్ష్మూలను – జంతుగ్రలు

ఈ స్వారాంగో కాడ్ సిగ్గ్రేత పిస్కారమ్మెన చరుపాతము ఉండండం చలన వృక్షజాలము చాలా దట్టనుగా వెరుగుగుంటి. ఈ గోటల \చేలక\లో ప్రచంచములోకల్ల అతి దట్టమ్మెన అరణ్యాలు కనిపిస్తాంటే ఇంగా వెరిగే కోకారణ్యాలు గాడిని నెలుగునుంటు కూడ శగ్గింది వేస్తాంటే. అందువే నూర్యకాంగి కొరకు ఇచ్చది చెట్లు ఎం. ప్రాంత్ కేరకు ఇచ్చది చెట్లు ఎం. ప్రాంత్ కేరకు ఇచ్చది చెట్లు ఎం. ప్రవాస్తాంటే కోరు పిన్ని నే కోస్పిస్తాం కొన్ను లు మాత్రు ము. ఉంటాయి. ఈ చెట్లు ఇందుమీందు గొడుగు కాకారంగో ఏ మాత్రు. ఈ కోస్పెస్త్ కొన్ను లు మాత్రు ము. ఉంటాయి. ఈ చెట్లు ఉన్నాయి. అమెజాన్ ఆడవులలో రట్కరు, కాంగో కేస్పులో మొహాని గనల్ల పిరుగుడు చేచిక చెట్లు సామాన్యంగా కనిపిస్తాయి. ఈ చెట్లను చుక్కుకొన్ని ఇనేక కోగ్యం చెరుగుతాయి. క్రింద ఉన్న భూమి కుళ్ళుమన్న అకులలో స్టేమక్కన్ సివానీ చేలే! కప్ప బడి సంటుంది. క్రింద చట్టమెన్ ముఖ్లు, గడ్డి దట్టంగా చెరుగుతాయి.

- 🕡 ಈ ಸ್ಥಾರವಂಗ್ ಪುರ್ವಚಾಸು ವಿರ್ವಾಪ್ರ ರಟುಂಪಿಗ
- ా. ఈ స్పాంగంలో వృక్షూల్లు దట్టంగా వృండటానికి కారణమేమిగ
- ಾ ಪ್ರಪಂದಂಲ್ ಆತಿ ದಟ್ಟಮ್ಮನ ಆರಣ್ಯ ಉ ವಿತ್ಯದ ಅನಿಷಿಸ್ತ್ರಾಯಾ
- 4. దద్శమ్మైన కోకారణ్యాలు వలన ఏం తగ్గుతుంది?
- 5. ఇక్కడి చెట్కలో డౌనికి ఎాక్ ఏర్పడుగుంది?
- e. ఇక్కడి రెట్కలో నుర్మకారికి కొరకు ఎం.సమ ఎోట్ ఏర్పడుకుంది? 🐪 🧢
- අං රූ වීති කුවත සහ වූ වලා බුරාරාණතාව
- కిం నోదికి మెందళ్ళ దీవర ఎగా ర్మంటాయి?
- ం ఈ చెట్కు ఏ ఆగారంలో ఉంటాయి?
- 10. అమేజాన్, కాంగో అడవులనో సాధారణంగా కనీపించే చెట్లు ఏపీ?
- ।।• ఈ చెట్లను చుట్కుకొని ఏం వెరుగుశుంది।
- 12. ఈ చెట్లక్రింద వున్మ భూమి ఎలా వుంటుంది?
- 13. ఈ చెట్ల క్రింద ఏం వెరహుకాంబా

.సా.షియ శాస్త్రము

ఈ చెబ్ల కలన చాల గ్రోగా శ్రంటుండిం ఆకులు వెడల్పుగా ఉంటాయిం మొమాగని, ఎబ్.ని, రోజేవ్స్ డ్, సింకోనా, ఈ చే కంక కేష్టులో సాధారణంగా కనబడే వృక్షణాకులుం క్రింద నూర్య కాంత్ ఈ ఆరణ్యాలలో లేక పోనగం వల్ల చెబ్లు కొమ్మ ల మీద ఉండగలిగే జంకుణాలం మాక్కం ఇచ్చట వుందిం నెలఫోను సివళించే జంగుకుంటే చాలా కొచ్చిం కోతులు, పింపాంజేలు, ఎురుగులు, గబ్బిలాలు, చెబ్లమేదుండే కాంచాలు, ఎగిరే ఉడుకులు మొమర్మెనస్ట్ ఈ ఆరణాటలో ఎక్కువగా ప్రంటాయిం చేటిలో చాలా జంకుశ్రలు చెబ్లమేదుండే కాంచాలు, ఎగిరే ఉడుకులు మొమర్మెనస్ట్ ఈ ఆరణాటలో ఎక్కువగా ప్రంటాయిం చేటిలో చాలా జంకుశ్రలు చెబ్ల కోమే సిరుగుక్కు, సినళిక్కా వాస్ట్ జీవీకంలో క్రింద ఉన్న భూసిస్ట్ చేరనేచేరవుం మనద నెలలోను చర్మమాల్స్ న్లు చేశాడ్డు, మొనక్క అనేకరకములైన పాములు సినసిస్ట్యూ ఉంటాయిం ఆఫ్లి కాలో నీట్ గుర్తుము \ గం చక్కు చే చేస్తుంగాను లో సివశీస్తున్నాయిం అనేక రకముల ఈగలు, దోమలు, పురుగులు కూడ ఈ ఆడ్ క్రులు కారంభా ప్రాణంగాను లో సివశీస్తున్నాయిం. ఇనీ రక్తము త్యాగే న్య భావము కలవిగాను రోగాలను వ్యాప్తి చేసేవిగాను ఈ ఆడ కృలాం పుర్ణా చేయాలు, పురుగులు మాడి చేసేవిగాను ఈ ఆడ పులు చేటుకుంటే మెలయేక్కు మార్గులు కూడి చేసేవిగాను రోగాలను వ్యాప్తి చేసేవిగాను కూడే వుంటాయిం చేకుంటు, పురుగులు హాడి చేసేవిగాను కూడే వుంటాయిం చేకుంటు, పురుగులు కూడి చేసేవిగాను కూడే వుంటాయిం చేకుంటు, పురుగులు మాడి చేసేవిగాను కూడే వుంటాయిం చేకుంటు, పురుగులు చేసేవిగిందినే చేసేవిగాను కూడే వుంటాయింది. అక్కు పాటి చేసేవిగాను కూడి పులు కుటిందిను చేసేవిగాను కూడి చేసేవిగాను రోగాలను వారి పి

- . 1 ಿ ಇರವಾ ಅಲ್ ವರಿಗೆ ವಿಬ್ಲ ಕಲಸ, ಆರುಲು ವಿಲ್ ವುಂಟ್ರಾಯಾ
- . 2. భూమమ్మం రోఖా ప్రాంతంలో సాధారణంగా కనబడే వృక్షజాతులు ఏపి?
 - අ. 🍜 බල රජ විභාග්රව සරහන්වර සරහාරර් අ
- . 4 ಎಂದುವಲ್ಲ ಡಿಸ್ಕಿಲ್ ಮ್ನ ಲ ಮಿದ ಪ್ರಂಡೆ ಇಂತುಷ್ ಉಂ ಮಾತ್ರಂ ಪ್ರಂಟುಂದಿ r
- -. 5. ఈ ారణాం లలో నేల మీద సివసించే జంతువులు ఏపి?
- . 🤄 ఇకండ చాలా జంకువు లు ఎలా నీవిస్స్తాయి?
- .ా. బువదనేలోను, నహబోను ఏమి చ్రంబాయి?
- B· ఆఫ్స్ వాలో ఏ జంగున్న పేక్కువగా కనబడుకుంది?
- ఈ ఆడచ్చలలో నివినించే బలమ్మెన జంతువేది?
- ।०॰ ఈ జంతువులు కాక ఈ ారణా, లబో ఇంకేం వు ంటుంది?
- 💶 🌣 ම ඛ්රයර්ග 🍇 ආඛන්ඛ්ඨ්ය
- 1?• ఇకండ పక్కులు, పురకులు ఎలా కనిపిస్తాయి?

సాంఫీచక శాస్త్రము

్డ్స్ జలు – టెవిత్ చిధానము

ఎక్కువ వేడి, చెమ్మ ఈ ప్రాంకాలలో ఉండడంవేత ఇది మానన నివాసమునకు అనుకూలంగా లేదుం అందువేత ఈ ప్రాంకాలలో జన సాంద్రత చాల శక్షువం జన సంఖం తేరప్పాంకాలలోను, నద్ వ్యాదానాలలోను కేంద్ర ప్రశిమ్మైవుందిం కాంగో, అమిజాన్ పరివాహ ప్రదేశములలో కన్మ ఇండోనేషియాలో జన సంఖం తక్షువం

- i · భూమభ్య రేఖా ప్రాంతము మానవ నివాసానికి ఎందుకు అనుకూలంగా లేదు?
- ా. ఈ ప్రాంతంలో జనసాంద్రత ఎందుకు తక్కువా
- उस क्षेत्र १ के अन्य १ वर्ष १ वर्
- 4 ఇక్కడ ఏ ప్రాంతంలో జనసంఖ్య ఎక్కువ?
- 5. ఏ ప్రాంతంలో జనసంఖ్యండోనేషియాలో కన్మ తక్కువ?

్రాంగ్రామ్ తాన్న ము

ఇక్కడి ప్రజలు కురుమగా ఉంటాకుం కాంగో పరీవా హ ప్రదేశంలోని, అడవులలో నివసించేవారిని విగ్నలు అంటాకుం చేరు చాల పోట్వగా పుటాకుం దిన్న చిన్న గుంపులుగా నివశిస్తారుం చేరికి శాశ్య కమ్మెన నివాసన్మలాలు లేవుం అడవులలో ఖాళ్లున్న ప్రాంతాలలో అర్మనంద్రా కారంగా ఉండే గుడినెలలో నివళిస్తున్నారుం వారీ మంఖు మహ్మీ వేడం చేరు నూనెగింజలు, పండ్లు కూడ ప్రోగు చేస్తారుం అడ్డిపి జంకుములను చేరు ఇకి సులుభంగా పట్ములో గలరుం వారు శరీరచ్చాదనకమయోగంచే వస్త్వములు చాల చిన్నవిం పిల్లు విచము ఎక్కానిన జాణములు, ఉండే కొమ్ములు, చేరు సాధారణంగా ఉపయోగించు అయుధాలుం

- न्यंद्र के अध्या निक्र व्याप्त विश्वास्त्रात्र
- ా కాంగో చరివావా ప్రచేశంలోని ఆడవులలో నీవసించేవారిని ఏనుంటారు?
- పిగ్నీ లు ఎలా వు ంటారు?
- 4. పిగ్నలు ఎలా నినశిస్తారు?
- 5- పిగ్నలకు శాశ్య తమ్మెన నీవాసప్కానాలు వ్యన్మాయా?
- నీరు గుడినెలు ఎక్కడ వేసుకుంటారు?
- 7. ಟೆರಿ ಗುಪಿಸಲು ಎಲ್ ಎಂಟ್ಂಬ್
- ఆ. చోరి ముఖ్య వృత్తి ఏది?
- มีพราช มีชา พอรื่อ มีทำหา มีสำรุงาา
- 10- ఇదవి జరమవులను వోరు ఎలా చట్కురుంటారు? 🤫 🦠 🚟
- 11. మోరు శరీరాబాభునకు 🏿 పప్పవుని వాణే మన్నవు ఎలా వుంటుంది? 🔻
- 12. వేరు సాధారణంగా వాడే ఆయుగ్రాలు ఏప్పి

సాంశీత శాన్నేము

	4	•	
୍ଦ୍ର ଖୀୁ ଠା ୍ଦ୍ରିପ୍ୟାଧ ଧି	ംർഎണ്ഡ്ലാ ട്രൂർ _{ഇത്}	గిరికులే మనేషియాలో	సి నెమంగులు, బ్రోస్ట్ యా
లోని వెడ్ వారంల్ష్ 🏃	🏻 సుముత్రా లోని 🖰	కాబాజాతీ వారు {	្សុំ ងឺក៏រួខ ಎំំំ
మీతములను గడుపువారే•	ిడవు: లోనీ హకోస్తలముల్లో		
తమ గుడినెలను «గడ్కి కో కృ			
	చేసి వడ్డు ఇతర పంటలు	7,	
<i>ন</i> প্ৰমা ^ত (১৯৯৯ বিভাৱ	గ్రదు ఇంకాక హక్షిన్మంనుగ	135 Non 15 15 150	(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Son State Control			
ನಕ್ರರಿಸ್ತಾರು.	•	1	4. 6. 6. 6.
		, , , , , , , , , , , ,	
		v/ ≻ _{a -1}	in the continuous State
 भौ का मीका वर्षक 	ంలో సివసించేవారు ఎలా చ	4	
 పిగ్మల జోపినం వంశ్ జో 	ವಿತo ಗಡಿವೆಕಾರು ಇಂತಿಕ್ಕು ಡ	_	
র - রীঠা	క్కడ నిర్మించుకుంటారు?		" (Trip
4 • చోరు తమ గుడినెలను దో	స ే నిరి₁ంచుకుంటారు?		. /

5. వీరిలో కొంతముంది ఎటుమంది వ్యవసాయము చేస్తారు?

6 - వరు పోడు వ్యవసాయుంలో ఏమి చండిస్తారు? స్టాన్స్ స్టాన్స్టాన్స్ స్టాన్స్ స్టాన్స్టాన్స్ స్టాన్స్ స్ట

7. ఒక చోట భూమిలోని సారము అంపు పోంపునప్పుడు, ≬వ్యవసాయమయునప్పడు ఛారేం దేస్తారు?

B. వరు ఏ ఏ వస్తువులను నేకరిస్తారు? మండి స్టాన్స్ కిట్ కిట్స్ట్రాన్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్ట

Mile fills bereit states to

సాంశ్రీక శాస్త్రము

ఈ ఆనోగినిముల వాళ్ళ పరిశరనుల కారుంగా అనాగరికంగానే ఉండిపోయారు. ఈ ప్యాంతము లలో మానవులకు సుఖము చాల సమాన కారుంగా అనాగరికంగానే ఉండిపోయారు. ఈ ప్యాంతమలకో చద్దు రామెక్కనో కూడిన ఇవ రముగ్ల స్కోవింగ్ సిక్సెన్స్ నరముల బలహేనముయ్హి నిద్దు మత్తును కఠిగించి లోగిని చ పువాంట్స్ నంగి వార్త ఘలకు ఈ ప్యాంతము చేరు పొందింది. ఈ శీతోష్టెస్టితీలో లోగవ్యాప్తి కఠిగించు పురుగులు, నూక్షు కేమ్మలు పిస్పారంగా వృద్ధిచెందుతాయి. ఈ ప్యాంతముల అనాగరికులు పువంచం నుండి ఏ సంచానములు లేకుండా ,పన్మారు. ఆమిజాన్ వరివా వావు దేశంలో నీవనించే వారికి అమెజాన్నరి చవంటే రగాణా పూరుగునుక్కుము.

- ఈ ప్రాంతము నారు అంగారికంగా ఉండటానికి కారణమేసిం?
- 2. ఈ ప్యాంతం మూడులడు ఏం తరశువి?
- 3. ఈ ప్రాంతం చాటి. ఎటువంటి వాకధులు నస్మాయి?
- 4. ఈ శ్వాష్ట్రామ్లింగ్ ఏప్పిను, వ వృద్ధి పొందుకుంది?
- 5. ఈ ప్రాంకంలో ఆనాగర్విము ఎలా వున్నారు?
- 6 ం జమెంజాన్ పరివాచా ప్రదేశంలో నివసించేవారికి రవాణా, ప్రయాణ మార్లమేసిని?

్రాట్లో డాద్దిలో

ఆమెబాన్ పర్వా నా ప్రదేశములో రబ్బురును ఎక్కిగుచేస్తారు. కాంగో వరోవావా ప్రదేశములలో దంశములు, కోస్కానీ కోడ్ స్కోస్కు. ఆగేష్ట్ మాలో పోటలను చెందుకున్నారు. భూమున్మ రోఖాప్పాంత్రవు ఆడవు లలోని కలవ డాల కొట్టెడ్కి ముఖ్య ఆడవు లలోని కలవ డాల కొట్టెడ్కెక్కి. ఇక్కి చిలుచ్చెన వాడిలో మొమోగని, ఎబ్.సి., రోజ్వుడ్, ముఖ్య మెస్టెనిసి. రబ్బును, రోడ్కో, కాళ్ చెంది వాటినీ అమెజాన్ చరోవావా ప్రదేశనుు జన్మ స్మానము. వెక్టర్మమునకు వనికివము జాచదములు ఇక్కడ సిప్పారంగా దారుకుకాయి. మూనా, నెక్టేటింయా, ఇవత్రము §

శ్రీ వామెరూన్, వశ్ఛిమ ఇక్కికా డేశాలు కోకో ఉత్పత్తిలో వ్రవందములో అగ్రస్వానము వహిస్తున్నాయి. ఈ దేశాలకు కోకో మా ిచేశో మాగకడ్కవుం ఎక్కువగా లభిస్తుంది. ప్రపంచ రబ్బరు ఉత్పత్తిలో 90 శాతం కు వెగ్లా ముక్కొయా, ఇండోనేషియాలలో ఉన్న త్త్యీ అవుతోంది. కాంగో చరోవా హాప్ర దేశంలో రాగి తగలము, చబ్బమూ, గనులుక్మాయి. ముకేషియా తగలమును ఉత్పత్తి చేయుటలో ప్రముఖ స్మానం వహిస్తోంది. గినియాలో బాక్మెస్ ఉన్పక్తి చేస్తున్నారు. జావా, సముత్రా బోర్మి యోలలో వెట్స్ లియం గనులుక్మాయి.

- 📭 🕫 బెనిజాన్ చరోవాచూ ప్రదేశంలో ఏం ఎక్కోగుచేస్తారు?
- కాంగో చరివాహ ప్రాదేశంలో ఏం నేకరిస్కారు?
- ತ ಇಗ್ನೆ ಯಾಸಿಯಾ ಲ್ ಟಂ ಪಂಪುತಾರು?
- భూముధ్య రేఖా ప్యా ఉత్తు అడవు ల కల్లప ఎటుమంటిది?
- 5 ఇట్డ్ పిలువైన కంచలో ముఖ్యమైనపి ఏపి?
 - 6. వేటకి అమెజాన్ పరోవాహ ప్రదేశము జన్మ స్థానము?
 - 7 ఇకండ ఇంకేం ఎక్కువగా దౌరుకుతుంది?
 - B. ತ್'ತ್ ಎಸ್ಟ್ರಡ್ಮಿಲ್ 🕽 🕽 ಪ್ರದೇಶಾಲು ಪ್ರಪಂದಂಲ್ ಅಗ್ರಾಸ್ಕ್ ನಮು ವರ್ಪಿಸ್ಕುನ್ನಾಯಾ?
- ాం చూనా, నె. డోరింకూ, ఇవరోతోరము, కామెరూన్, పశ్చీమ ఆఫ్రికా దేశాలకు కోకో వల్ల ఏం లభిస్తుంది
- 10. ప్రవంచ రబ్బరు ఉక్పత్తిలో 90 శాతానికి మైగా ఎక్కడ ఉత్పత్తి, అవు తోంది?
- 11. కాంగో చరోవాహ స్కదేశములో ఏ గనులున్నాయి?
- 12. మలేషియా 🌡 ఉత్ప క్రీలో ప్రముఖప్మానాన్ని వహిస్పోంది?
- 13. గినియాలో ఏం ఉన్న శ్రీ చేస్తారు?
- 14. వెబ్బో బియం గనుంది ఎకండ వున్నాయి?

సాస్తిక శాస్త్రమ

ామెబాన్ , కాంగ్ చేస్తేవారా ప్రచేశాలలో పట్టణ జనపదాలు చాల తక్కువం మాన్స్, బేలేరెన్ అను నేకరిందే పరిమామా ప్రచేశాలో నేగ్క్ చేంద్రాలు కాంగ్లో నేగ్క్షవెల్ల్ అను నది అరణం ఉత్పత్తులను నేకరింద్ అనికి, చంపిన చేలకు కానీ నుండు నేని మాట్ల కేంద్రంగా ఉందిం అగేపైయానియాలో కాన్మీ ముఖ్యమ్మెన పట్టివాలున్నాయు. మంటేపియా యొక్క రబ్బరు, తగరము ఎగుముస్తులు ఈ చేప్ప గుండా సాగుపున్నాయి. ప్రాశ్మ, ప్రాశ్మతం నౌకా వర్మక మార్కాలకు ఇది కూడలించులేను ముఖ్యమ్మాలు కార్మం మాల్లున్న ముఖ్య స్వారిందింది ఇందోనేషియాకు ముఖ్యమ్మాలు ఉక్కాల ఉకర్మాలు ఇది నౌకాశ్వయం కూడం దీనీ దావరా కాఫ్, రబ్బరు ఎగుము ఇవ్సకూచులకాయిం

- ৯৮৯ జనపదాలు ఎక్కడ తక్కాగా
- ా ామెవాన్ నరోవాచా ప్రవేశంలో నీ చర్మక కేంద్రాలు ఏపిగ
- ಆಗ್ನೆ ಯಾಸಿಯಾಲ್ ನಿನ್ನಿ ಸುಖ್ಯ ಪಟ್ಟಸಾಬರ್ನಾಯಾ
- 5. సింగప్రార్ డౌనికి ప్రాముఖ్యముగ
- 6 พื่อกับ ครั้ง ฮื่อง หลอตา ปลิง ปหางราหาง ของ อาจางา
- 7 ఈ రబ్బను, గగరము ఎక్కక నుంకి కేసుకొస్తారు?
- ఆ ఈ సింగపూర్ నొకాశ్యాయం దేనికి కూడలి?
- ా కుణేషియా చయిత చట్టినివేటి?
- 10. ತ್ಉಂಸಗರ ವಿ ವಿಭಂಗ್ ಪ್ರಾಮುಖ್ಯತ ಪೌಂದಿಂದಿ?
- 💶 ాండ్ నేషింపూ ముఖ్య చట్టణమేదీ?
- 🗁 ఇకర్మాలో ఏముంది?
- 环 జకర్తానికాశ్రయం దావరా ఏం ఎగుమణి అచ్చకుంది?

1 - 18 . 14

్ కానవ ఆ ్రాహ్మా కార్డ్ స్ట్రామ్లో న్. క్ మానవుడు కు. క్రామ్మినికి కార్యాప్పునికి ఆసరామ్మన్ నాట్ కేంద్ర మహాసారం

మూనమైన, సిక్క్ స్ట్రీ రుండి 14 రూట్లు పరీసరా చెక్కున్న దూరి 2000 ప్రమాహికుం

- かめのと もって、こうかない。
- s- ఆరంభాశ్మ నమ్మిన గ్రేద్ధ నుంచిగు.

దిను నమాజం ప్రాగా సిక్కి కృతిమ్మక్షిన్ నన పరీసరాల నుంచింది పెందులోని ప్రకృతి
 గుంటి నన చుక్కు ప్రానిమ్మక్కలు, జంగుపుల గుండింది నిర్వించిన జ్యాసు అవనరం
 బెబుకుల చనకాండి దూడే గూడే సినిమ్మక్కి చేసి పరీసకాల జ్యాన్ మ ఎందుకు అవన్రం.
 బ్రై శరడానికి •

- ్ నాగరికా ఎప్పడు క్రారంగమైనపి 1
- ్ కిగ్మిస్ ఉప్పూగించడం. చెన్నట్ల శహా స్క్రాన్స్ పన లాఖానికి పరిసరాలను ఉపయోగింది నప్పడే నాగరించి ప్రారంగెం.మే.
- 2: నాగరివేన సి. కాట్లో చునుమ్మలు ాందరూ ఏంచేయాగి ఇ
- జ్ పరిశ్రాలను 388గా జర్మం చేరుకోవాళిం
- 3) ఏం జభనరం ఇప్పిక్తాం లేనంగా ఉప్పకు నృన్మ పి ఇ
- జు సరిశరాలను ఇద్దము చేసుకొనే ఇనశరం ఇప్ వగ్రకూ లేనంత ఇప్పుడు న్నెన్మిపి.
- 4. 2022237
- జు ఇప్పుడు ాడ్డిక జనాభానణన ప్రక్తుక్తి వనరుల పరిగిపోకుండం వలన పరిసరాలను ఆర్మం చేసుకునే ఆగళరం ప్రస్తున్నం ఎడ్డువ వ్యంగి

వ్రస్తుత ననుయుంలో వరిసరాలను నరియెస్టన విధానంలో ఉపయోగించుకొనడం మానవునీ యొక్క అత్తి ముఖ్య మెస్టన బాస్ట్రత్ తల్లుకోలేని చాలా నవుస్కలు వరిసరాలకు సంఘాథిందినవే.

- 📭 ప్రస్తుత్త నమయంలో మానవుని 🗝 ముఖ్య బాధ్యత ఏది?
- జ. ప్రాస్తుత సమయుంలో మానవునీ అతిముఖ్యమైన బాధ్యత చరిసరాలను సరీ అయిన విధంగా ఉనయోగించడం
- నూనవ్సెనికి తట్ముకోలేని సమస్య లు దేసికి సంబంధించినపి ?
- జ. మానవునీకి తల్ముకోలేని సమస్యాలు పరీసరాలకు సంబంధించినవే.

మానవు కు మాగా కిఎస్ కార్కి. ఎక్కువాల అనలనిన ఆ సా కానికి, కాలుపాటల వల్ల కలుగు పుమాదాలకు వట్టుకోంటున్న పుట్టి చేస్తూ ఎక్కువాలనికి. మానవు కు వరిష్టారమార్చాలను కనుగానవలని యున్మ దీల లాభదాయినమ్మిన చెనిక భాగిన చినికాలను నిరివేయాలన్నను పోరక్షించాలన్నను పరిస్థకాలను మార్చగల మానవు కెస్టిక్ వార్తాన్న చేస్తు చేసు కారక కింగు మంటుంది.

- 1. あずうち ** 伊き おりまっとう おおおしゃっと?
- జం జనాభా గిన్పించానికి ఎక్కువగా కాకలసిన ఆహారాసికి కాలుస్త్యాలమ్మ కలుగు ప్రవాదాలకు వృఖా ఆప్రసున్మ ప్రేకప్తి ననగు ను ఉపయోగించడానికి మానవుడు పరిష్కాగాలు కనుకోవాలి.
- 2. పరినాను పరిరిష్టుడా నిగి దేశిని :ాగా ార్మం చేసుకోవారి?
- బ మాననగర్మ
- 3. 202221621
- జ- దూననశక్తి పరిశ్వాలను మార్కగలను కాటర్మి
- చూనవుల నగ్తి ఎటువందిసి?
- జ. చరిశాలను నూరు గలపు.

మనమీం కవర కూ చరినరాలకు మనము కలుగజేయు హాని గు గరించి పెట్టించుకోలేదు. శ్రాధ్య చూపలేదు. నిమిక్కం సమాజం తన బాధ్య కను తెలును కాన్మమ్మ చే పెరీనరాలకు సంబందించిన సమస్యలను పెరిష్కార నూరా అలను కనుగానే అనకాగా లేర్పడుతాయి. అందుకారకే మనం పెరీసరాల గురించి లేదా జేవావరణ తాస్ప మును అధ్య యునము చేయుమలనిన అనసరం ఎంతో ఎంది.

- మనం ఇంశవరకు దేస్మి గుపించి పెట్టించుకోలేదు?
- జం..చరినరాలకు మనం కలుగ జేనే హాసి గురింపి చప్పించుకోలేదుం
- lpha ullet చరిసరాలకు సంచింధిందిన సమస్యల పరిష్కారము కనుక్కొనే అవకాశం ఎప్పుడు ఉంటుంది lpha
- జ· మొత్తం సమాజం తన బాధ్య తను తెలుసుకున్న పూడు చరిసరాలకు సంబంధించిన సమస్యల చరిస్కారం కనుక్కానే అవకాశం చుంటుంది•
- నెమశ్వం సమాజం బాధ్య క ెలుసుకోవాలంటే ఏం చేయాలి?
- జ• బెయిత్నం ననూజుం బా7ంక కెలుసుకోచాలంటో జోబావరణ శాస్త్రవు చనువుకోనాలి•

చరం కాళ్ళి కోన్నా ఆక్ష్మాన్స్ క్షామ్స్ గ్రామ్స్ స్టామ్స్ అంటే ఇట్లు ఇస్ట్ బార్క్ స్ట్ర్ స్ట్ర్ క్రామ్ క్రామ్ కుమ్మానులను జ్యార్లు సిర్మాణం, వాట క్రిము, నాకి చినిచ్చాను శంశ్వని నే చేసినినే సమాధించిన గవారిం చనరు నేరువరుంటాముం ప్రకృత్తి సధుబనను డాస్ ాడ్డాస్కారం కొన్నాడిన చూడి అడినించాన్ను సమీ దించవద్దు - ఏప్పైన ఒక విర్మ భూషాగారం కారాం. కోర్ కార్లు చేస్తాన్నారు మహాభాలుగణ చక్రన సమాజం కే

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- 👝 జనవాస్త్రం 🔗 🖰 ఏనికి १
- జ. పరిశవాలను దూపేపే స్టా జాన్స్ సా
- జ్ గ్రాక్కాన్లో సమాగాన్ కార్డ్ కార్డ్ కార్డ్ కార్డ్ కార్డ్ కార్డ్ సాగాన్ కార్డ్ కార్డ్ సాగాన్ అర్మము
- ఇకరణ శాస్త్రంలో ఏనిప్ చేస్తున్నానా నట ?
- జా ఆవరణశాస్త్రంలో కవరానూ పిర్మాణం, జానీ పిధులు జాగీ పరిసరాల మర్గు ఉండే వర్గుబ్బర సంబం ఛాలను గూరిని చేసినును గానామి.
- 4. జనర సంగార్యాక్షి ఇందే నిహ్హాగా చెప్పునగన్ను,?
- బ వురృశ్ సంసు: ్. ఆస్ కారు కలాపాలను ∃ెలుసుకోవడం కూడ ఆవరణ శాస్త్రవున్ చెప్పవ ము∙
- జు భూభాగంలోగా , కోంగ్ గాన్ సీచెన్ందే ప్రాణులు జనాభాలు నజేవ నమాజం ప్రకృత్తో ఇస్పడిమెందిం

రం కోసనమాజుము, నీర్మేమ పరిశరాలు రెండూ కన్గిని ఒక ఆవరణ వ్యవస్భగా 🖟 ಪರ್ಷಿವೆನ್ನು ುು. ಪ್ರಶ್ನತಿಗಿ ಸ್ಟ್ರ್ಯ್ ಯಂಗ್ ಅವರಣ ವ್ಯವಸ್ಥ ಅನಿ ತುಡ ಅನವನ್ನು. ಪ್ರಾಣುಲು సిచనించే భూభాగాన్మి చ్యుక్తిక . నోరు, గాల్ వోట్లో సహజ్హానరణము అంటాము.

- ాచరణ మంచన్మలో ఏపి కరీసి చనిచేస్తానిము?
- జ్వనమాజము, సిర్మేమ పరిసరాబ రెండూ కర్సిస్ట్ పస్త్రీ చేస్తాయి.
- ప్రవృస్తిని శాస్త్రీ యంగా ఏవునుకోవచ్చు?
- ప్రకృణిస్ శాళ్ళ్రీ యాంగా ఆవరణ వృవస్థ ఆస్తి అనుకోవచుుం
- ప్రకృణిని ఎండుకు ఆవరణ వ్యవస్థ అని అనుకోవము?
- ಎಂದುಕಂಟೆ ಪ್ರಕೃತೀನ್ ಜಿವನಿರೈವ ಸಂಖಂಧಮ್ಮನ ಪರಿಸರ್ಉು ಆನ್ಮಾಯ.
- ప్రా ఎలు నినసించే భూ ఛాగాన్మి ఏమంటారు?
- ప్రాణులు సివసించే తూభాగాన్ని మృక్తిక ,నీరు, గారీ వేటిలో సహజీవావరణ అంటాగు.

- ా పుర్మిలో కిర్మాహ్మే కే. క్రిస్టార్ఫ్ ముందుక్ పుద్వాహెష్టువరణ ద్వనస్థ అంటారు ఇండులో కేద శ్రీ కార్యాము, నకేద శ్రీ సమాజము చేరిచ్చంటాయి.
- প্রবল বর্ধ বৃদ্ধের প্রস্থান
- జా చ్రాములోని ిద్నా కాన్నారు, క్రితమాన్న కములయున చ్రామాన్నా ఆవరణ వ్యవస్థ ఇంటారు.
- අප්‍රයේ ඛ්‍රී ක්‍රප්‍රයාද
- జు ఇందులో ఇకేన ాచరుతాను, సమసరమాడము చేరి వృంటాయి
- 2. ఏ ప్రదేగంలోన్నిన దోగళనూ సిర్మాణ వ్యాపారాలు నీర్మన పరీసరాల ప్రభావంపై ఆధారపడి ఉంటాయి. మ. ఏ క్రిస్త్ర్ల నీర్మన అగా నీర్మన అగా నీర్ ఆధారంగా ఉంటాయి. మేస్ కర్మన, ఆడగ్మన కాగాగు నీరు, బాగుములును వాయువు, ప్రాణవాయువు, నగ్గజిని, స్టా స్పర్, ఇగర అనిజాలు పంటాయు. అడువలన మృక్తిక పరీసరాలలోని ఒక అంశము లేక భూనంఖంధ ప్రభావము \ ఉప్పోగ్రత వెలుకురు వంటి శేతోష్టెస్మికి కారకాలు ఆజ్వ వ్యవస్థానిని ఇగర అంశాలు.
- ఓమనమాజ నీర్నాణ వాణపారాలు చేసిపె అభారనడి ఉంటాయి ?
- ಷ. ಶವಸಮಾಜ ನಿರ್ವಾಣ ವಾಹ್ರವಾರಾಲು ನಿರ್ದೈವ ಪರಿಸರಾಲ ಪ್ರಭಾವಂಪ್ನ ಆಧ್ರಾಕ್ಷಡೆ ಪ್ರಂಟ್ರಾ.
- ా ఆచరం వు వస్మలో నీర్మేవ భాగానీపి ఆధారంగా వు ండేపే ఏపి?
- జ ువరణ వ్యవస్థలో మృశ్తిక, నోరు, గాగీ మొదలగు పదార్మాలు నిర్మేసభాగానికి ఆధారంగా వుంటాయి
- 3. మృక్తిక, నోరు, గాలి మొదలగు పదారా బల్లో ఏమిముంటాంబా
- జ• మృత్తిక, నోరు, గారీ మొదలగు నదార్శాలలో కర్మన అకర్మన అంశాలగు నోరు, బొగుములుసు వాయువు ప్యాణవాయువు, నత్తుజని, ఫాస్ఫరన్ ఇతర ఖనిజాలు ప్రంటాయి.
- 4 అజ్జ్ వం నన్మలోని ఇక అంశాలు ఏపి?
- జ• మృశ్తిక చరినరాలలోని ఒక ఇంశములేక భూసంబంస్త ప్రభావము } ఉన్నిగ్ర్మత వెలుశురు వంటి శీతాష్ట్ర్మిశ్రీ కారకాలు ఇకోవ వ్యవస్మలోని ఇతర అంశాలు.

నేటించిన ముఖ్య ముఖ్యమైనవి ఇవీ ముట్టినికి మార్కాలు, మాంసకృత్యులు ముట్టినికి మార్కు మార్క్ వి. చెల్లుకు, నీరు ఖనీజ పోషకాల నుండి మార్క్ మార్క్ ముమ్మ ప్రస్తున్న మందున్న మిక్కాలు కి. అందురుం మార్క్ ముమ్మ పిర్వాత్తున్న మెరువులు కానీ చెప్పి మెరువులు అయిన మిక్కి ఇవీ నర్సినీ ఉత్పత్తి, చేయున్ను కానీ చెప్పి మెరువులు

నటినననూ ముందే ముండె పైనికి ఏకి?

నటిననమా ముందే మాండె నివికు ముంది ముంది

స్య యుంచి షకాలను సాధారణంగా ఉప్పత్తిదారులు అంటారుల స్య యుంచి షకాలన శక్తిని ఉప్పత్తి చేస్తాయా? స్య యుంచి షకాలన శక్తిని ఉప్పత్తి చేయువుల స్య యుం చేషకాలన శక్తిని ఏం చేస్తుంది ? స్య ంగుంచి షకాలను శక్తిని ఎక రూపం నుండి నేరాక రూపానికి మారుస్తాయిల

ాంకారు.

- గాముగారం కాము అదే గం గాము చేశంకాలేని జేనననూజిన్మి ఏనుంటారు ?
- a. గ్రామం కార్కు ఆహాద్ధం సంఘారువేరు కోన్సి జీవనగూజిన్ని వరవోషకాలు అని లేక వినియోగవారులని క్రిమే అయితుం
- e. In a the strain of the
- జ• పరిహేసిన కోవననరాజం జర్ములు / మానపుసి కో నమ్ క
- ాం. పరస్థానక జ్ఞానికాజం ఆహా రం కారకు వెబ్స్లోనిన ఆధారవడుకుంది?
- జా. చరసాషక జోననచూజం ఆహా నం కోసం ఉప్పతిదారులనే అధారచడునుంది.
- 4 ఉన్నక్కిదారుల కోవసానూజమేపి?
 - జ. ఉన్న స్వీహానుల చేవననూజనుు అతునవు ఆకులుగల మొక్కలు.
 - ${f 5} \cdot {f m}$ మ్నర్భాంధ్ర ద ${f 6}$ వన్మాగల నురారక బీవ సమాజమేస్త్రి ${f 7}$
 - జ. మోమనంబంగ, దేశ్ వస్తాగల మంకాక రక మోమనవూడిము వీడిపైను కారులు 🛊
 - 6. విద్భిన్న కారులకు గల మరాక *వేరే*మ్య
- జ. పిస్పిన్న కారులను ఎగ్రాక్ కాహా రులు అని కూడ అంటారు {
- 7. పిద్ధిన్మ కారులు ఎలా బ్రానుకుతాయి?
- జ• విద్యిన్మ కానులు క్ర్మాన్స్ కప్పిన ాహా ర వదార్మాల నుండి ఆహా రం తయారుచేసుకోని ఖథ్యకు ాయి•

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- ఆ· పిద్మిన్మకానులకు ఉదాగారణలోపి?
- జ. విద్భిన్మ కార్తు లకుమ్మూ కన్ (రొబ్బిబూజు) కుక్క గొడుగులు! మొదలయిన శిలింద్రాలు (

5. నేలలోను, కోహిన్న - చేసిన మాక్కోరియనులు విడ్నిన్న కారులుగా జీవితమును గడుపు పింతీయన్ల วังหมู่ ๑๐๔ ๕ มาใจราชา (ภา) อิก บังกรีการ อีรมีช่วงสหาสี สิทธิสมอสัยก รัฐมากา อันสิท మృక శరీరా కోసు నుశ్చి మన్మ కర్మన పదార్శముకోను సిండి అసహకంగా పరిణమీయని ఎండిస్తేం

- අප් වි්ිරාන්නය බරු ජ රා ලබනදී?
- ుచ్చిరింకున్నారి చేశాలను, నేస్ట్రింగ్లోను న్నంటుంది.
- బాల్టీరియనపా ఏని సంగా పనిచేస్తానుంగా
- బాక్ట్రేరియనాలు విద్ధిన్న దానూ లా సనీనేస్కుంది.
- బాక్కరియనులు సిక్కిన్న కారులుగా వనిచేయడం వటన మనకే సిధంగా ఉపయోగపడుకుంది?
- వాక్కోరియన్ల దిగ్బిన్న కార్లులూ పనిచేయకం వలన న్యూన శరీరాలు కు శ్రీ పోవుచున్నది.
- ఈ బాక్టోరింగున్న ్రియాశీలన లేకపోయనట్లయికే విశ్వం ఎలా న్నండేస్ ?
- బాక్ట్రియన్ల క్రియాగ్లో లేకపోతే విశ్వమంతా కమ్మలు కెప్పలు నడిన మృత కళేబరాలకోను, ్ కుక్కిపోవునున్న కర్మన పార్మమికోను నీండి అసహకంగా పరిణమింది ఉండేది.

చేగే సన్నాయ్లు - తైనిక చరిసరాలు

ముక్కు చిన్న కాలుగా ఉపయోగ చడుకాయి.
ముక్కలు నోడి ఇద్ది కాలుగా ఉపయోగ చడుకాయి.
ముక్కలు నోడి ఇద్ది కాలుగా ఉపయోగ చడుకాయి.
సిన్నీ కార్మన్ కేంద్రాలు కాలు మార్కర్ని నిరంగరము లభించే శక్తికి ములను గ్రి తము నూర్కర్ని కి పెద్ది కాలుగా కేపలు నూర్కర్ని కి పెద్ది కాలుగా కాట్ మార్కలోని మరోక భాగమ్మన ఉండుగ్రాలు మొక్కుండి కాట్ కామ్ రము కారకు ఇకర జం తమ్మలపై అభారపడ్కాయి. వాటిని మారియా రులు కండారు.

- i నట్లేన నీర్మోన వ్యవహ్మాల హహ్మం సముప్పరి సంబంధం ప్రంటుంది 1
- u. సక్షన నీర్మన వ్యవస్థలు నుగ్రం పాలస్వరిక్స్

🕴 సంబంధం వు ంటుంది.

- စီးဆီး ကင်း ပါးရှိတာ ကာ ပါစီ ချားတာက်ដှင်းအလာ?
- జ. మొక్కలు అజేద నటంచ్ళ వచారా అను ∮ కుంటుంది.

🕴 🕽 షకాలాగా ఉచయాగించు

- ా మొక్కలు నోడిస్, అనీప అవాలను ఎలా గ్రాహిస్తాయి?
- జ. మొడులు నేగిని, అస్త్రిజ లవడాలను వేళ్ళ ద్వారా గ్యాహిస్తుంది.
- 4. నోరు, ఎస్జి లవనాలు మొక్కలకి ఎక్కడ లగ్గిస్తుంచి?
- ేజు నోరు, ఖనీజ ఉమణాల మొక్కలకి **త్రూపి,** నుండి లభిస్తుంది.
- బాగాచరంలగాని కార్య నీ-డ్మి- ఆక్టినమను ఎలా గ్రాహిస్పంది?
- జ. ఆడునుద్యా రా వాశానర సం లోనీ కారు న్-డె,- ఆక్కెడ్ ను గ్రాహీస్తుంది.
- 6. బెట్లకు శక్తి ఎద్దడ నుండి లభిన్నుందే?
- జ. చెద్దకు శక్తి సూర్య రెక్కి నుండి లభిస్తుంది.
- 7• ఆకులు సూరం రక్కి లో దేసిని తయారుచేస్తుంది?
- జ. ఆకులు సూర్యరశ్ని ని వ్యవయోగింగి పిండి పదార్యాలు, 'మాంనకృత్తులు మొదలగు వదార్యాలను తయారు చేస్తుంది.
- ఆ. సజ్జేవ వ్యవస్థలగాని వెఎక్కలు కాక్, మరాక భాగమేస్ట్మి
- జ. నట్టే వ్యవస్థలో మొక్కలు కాక్ మరోభాగం జంనుములు.
- 3) మొక్క లన్న జహా గంగా కనువునే జంగుథ్య నేమందురు? ...
- జ. మొద్య లను ాహా రంగా కనుకానే జంకున్నలను కాకాహా ధులు అంటారు.

కాండ్ కాండ్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్ సంగ్లాన్ స్టాన్స్ కాండ్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ట్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్స్ స్టాన్ స్టాన్స్ స్ట్ స్టాన్స్ స్టాన్స్ స్ట్ స్టాన్స్ స్టాన్స్

- p చరభవ,భాలని చేసేసి సహారు:
- अठव्डक्रण्य २००००० ४००००
- 🔻 ఎంపువలన జంతువులను చగభరభాలంటారు?
- ం జర్ములన్ని ఆహో తం కొరకు మొక్కలపెంగ్ స్త్రీ, ఇకర జర్ములపెంగాన్ ఆధారవడుకుంది: స్యయంగా ్ తయారు చేశుకోనేవు - ండుతన్ వోదిన్ వరభవంకాలు అంటారు
- ్ పిప్పిన్న కారులు గోటికి జీశ్లోని స్కుంపి?
- పిద్దీనుకారులు చనిపోటున చ్యక్తుంతు శరీరాలను పిశ్గేస్తుంది.
- $ilde{x}$ చగ్గి $oldsymbol{h}$ ేయిన మృక్ష బ γ సున్నలను సిశ్మేషించడం వలన భరితము ఏపిం γ
- ్ వస్తిన్ని మున న్నాడ్ల జెల్లామ్స్ట్రాలను దిశ్లేషించడం చలన కర్మన ఇకర్మన వదార్యాలను మృక్తికకు శ్రభ్యూసిశ్ లేదా భౌకిక ఆచరవానికి ాంటే సిగ్మిన న్యవస్థను చేర్పుకాయి.
- 🧎 కా**రు న్-డె-- ఆక్కెడ్, నన్న జనీ వాశాచర**ణంలో ఏ రూచంలో వీడుదల ఆవుతుంది?
- ్ కార్మ నీ-డె_{డ్డా} ఆ**క్కెస్ట్, నక్కబన్ వాకావరణం**టో అమ్మో సియా రూపంలో పిడుదల ఆవుతుంది.
- కారు నే-డె,- ఆక్టెడ్, నాన్న జనీ, అమ్మో సియా రూపంలో వాతావరణంలో సిడుదల ఆవడం వలన లాభమేమిం? కారు న్-డె,- ఆక్టెడ్, నాన్న జనీ అమ్మో సియా రూపంలో వాతావరణంలో సిడుదల అవడం వలన ఖనిజాలు ఇజ్వ వ్యవస్థ నుండి నట్వ డ్యవస్థలోనికి తీరిగి ప్రవేసిస్తాయం

ప్రేమాగ్ 🐇 🖟 ్ గుడ్స్మైన్ ఎన్కోర్యుల కెఫ్స్టాడ్, ఆవరణ వ్యవస్థకు నుంది జడావారణం. ఎక్కేరియుల చేగా కి.్ కోడ్స్ కి స్వహ్హ్ చను పర్తిగక్షించుటకు గ్రోలుగా ఏర్పరదీన గాబుకాబ్మెంక్ ఎక్కేరియుం ాడుగు భాగాన ్రోజ్ మన్ కట్టి సానుడే 🕽 ఇనుక పౌర ఇంటుంది. ఇందు గులకరాళ్ళ్ళ చురుడం జరుగును 🚴 నెండు నేదిని ఎక్కోయంలో ఎస్ ఉందుకారు. శకాశాయి నేదిని ఎందుకు వాడరాదు! వేస్ కే స్ట్రాండ్స్ క్లాడ్స్ క్రాన్స్ స్ట్రాండ్స్, మొమంగు ఆకమద్దని నోది మొక్కును ఎక్కేరియుంగా ఉం**దుకారు. సూర్య**్ కి అడుగా ిడ్యు కే ఒబ్బును ఉపయోగింది. కాంకిని విన్నరించ చేస్తారు. డుయుఎస్స్ కాల్మెన ాను సమ్మేస్ ెుడ్కలు కాన్ సి.నోటలో కరిగిన కారు న్-డె ాక్టాడ్ను ఉపయోగించుకోసి ార్ హైడ్రే ట్లను సంగ్రేష్ స్వాయి. ఎక్కే గియాట్ సినసించు చలువగాల్లైన చేపటు, ఎక్కే రియంలోనికి కారు న్-డె ాక్షెడును 👣 రక్కియ డాక్టర విడుపగ చేస్తాయి. మొక్కలందు కిరణజన్మ్ నంయోగ క్రియ మరిగినప్పుండు ఆత్మిజును ాగులు చెలువడుట చునం గవుసించే వచ్చాను 🕟 ఈ ఆక్మిజను చేపల శా ్య సక్కియ 🌖 ఆమో చాబ్ ఆమో రాస్మ కు నానా ఇవసరము. చేపలు పదఎ ప్రవాలగుబైవే 🖠 🔻 ేయారు చేసుకానలేవు. కాండువలన ఇవీ శ్మేవరాలు 🌗 🏿 নুম 🌣 মৃত্যু ক্রিটাইর মান্ত্র্ ప్పాణులు} వై ాధారచడి ఉంటాయి. ఇవి నవాజంగా చెబువు నోదిలో కన్పిస్తాయి. నోదిలో నివసించే ానృత దీం నృకాఖు చలనే శ్రేవంగాల కూడ నోదిలో కరిగిన ఖసిచాలను , ఐల్ఫ్ నుండి లభించిన కాంత్ శక్తిన్

కృತ್ರಿ ಮ ಇವರಣ ವೄ ನಸ್ಕತು ಮಂಡಿ ఉదాహరణేపి?

జ. కృగ్రిమ అవరణ వ్యవస్థకు ప్రయోగశాలలోని సమాగులు మైన ఎక్కేరియం మంది ఉదాహరణ.

^{2·} ఎక్కే రీయం అంటే ఏమిమి?

జు ఎక్కోరియు ానగా క్రియాశోలదలను చరిరక్షించుటకు వేలుగా ఏర్పరపిన గాజుకొట్టే.

ఎక్కోరియం అడుగ్రాహాన ఏప్పి వ్యంటుంది?

జ. ఎక్కోరియం ఇడుగుఖాగాన ! నదులనుండి తెప్పిన ఇసుక్త! ఇసుక పౌర ప్రంటుంది. అందు గులక థాక్కు ! అమరుడం జరుగుమంది.

^{4·} ఎද්ද ර්ලාන වේ බ නිතිති නීථා ුජා අ

ಜ. ಎತ್ಯೆ ರಿಯುಂಟ್ ಡಿಎಪ್ಪ ನೆಹಿಸಿ ಪ್ರಿಸಿ ಪ್ರಂಥ್ಯಾಕ್ ರು.

DOCAR TO THE STORY LIVE SESS HOWER IN

విశాలున్న కాటా కాట్లో కేకుండా. ఎన్నాడ్ లాలు కేటిని ఉందు ఇందా నున్న వర్కి మండలు కోవా కేకి వెంట్లో వెంట్లో కాటు స్వేజించి కేటిన లేకు ప్రేక్ మెల్లు కోవ్ కలుగారువేశుకోరిన్నా

ఎక్కరింగులోని ఏ వెబ్యాలు చేస్తాను

ఎక్కరియులో గొన్నియా, ప్యాడ్సిల్గా, నిరెట్ఫోల్లమ్ సమసంగు ఆకుపన్న నిరిమొక్కలను పెందునాను.

)కేఖరియంగో సూడ్కరెడ్డి సి. బోజు ౌనినీ వాడుకారు?

ఎక్కోరియం కూడు రెక్కిన్ జనులు విధ్యు క్కు బల్ను ను ఉవయోగించి కాందిన నిస్తరియచేస్తారు. నీకి మొక్కలు కాండ్ ప్యాక్కేట్లను ఎలా సంశ్లేశిస్తుంది?

ను of and స్వార్మిన ఆరుప్రమ్మ మొదు లు, కాంరినీ, నోటిలో కరిగిన కారు స్వడ్స్లు ఆక్మెడ్సు చూరుగొండు హెస్ కార్మ్ హ్మెడ్స్ ట్నిప్ నంశ్వేగిస్తాయి.

ఎక్కే రియులో సినిసించే కేవ- ఎఏఎ చేస్తాయి?

ఎక్కోరియులో సివిళ్ళినే గ్రామంలోని కేమలు, ఎక్కోరియులోని కార్మన్-డె,-ఆకె,నప్తను శాఖనక్రియ దాఖరా సిడుపల చేస్తాయి.

మొక్క ాందు దీర ఇజనక నలయోగక్కింపు జరిగినపుకు ఏమి విడువల చేస్తాయి?

మొక్క అందు కిర్ణున్న సంయోగక్కియ రిగినప్పడు ఆక్కిజన్ నధరిచేస్తాయి.

ಪಾರ್ಟ್ಯ ಇತ್ಯಾವನು ನಪಿಶಿ ವೆಸ್ಕುನ್ನಾಯಾ ವಿಲ್ ತಲುಸ್ಕುಂದಿ?

కాన్ని సమామాల్లో ఈ మొక్కలనుంగి ఆర్మిజను బాడగలు వెలువడుబన్న మనం గమిసించవడుబను.

రం ఆక్షిమైను ఎక్కోరియంటో ేవికి అన్నరము?

ಈ ಆರ್ಎಜನು ಎತ್ತೆ ರಿಯುಂಲ್ ವೆವಲಕ್ಕಾ ಸತ್ರಿ ಯತು ಅವನರಮು.

चैंब्राय एको ठावे। उठ्याठा चैंदारा छेवारा

చేవలు ఆహా రాస్త్రి ాయారు చేసుకోరేవు.

చేశలు ఎందువలన ఆహా రాస్ట్రి గరుహరుచేసుకాలేన్నే 🤈 😁

చేపలు పరపోషకాలు కాబట్టి ఆహా రాన్మి తయారుచేసుకోలేవు.

చేపలు ఆమా రాసికె, నేదివిన అధారపడతా యి?

ವವಲು ಆಕ್ ರಾನಿತ್ಯ ಗೃಶಲ್ 🧆 🦠

్ వైనే శక్రుయంపోషక సూకష్టప్పాణుల్లి ఆగార

สี สังกายน ค.ค. สาที่ เมื่อกับสามาก สี สังกายน ค.ค. สาที่ เมื่อกับสามากมา ผู้สังกายน ค.ค. สาที่ สามากมา สี สังกายน ค.ศ. สาที สามากมา สี สังกายน ค.ศ. สาที สามากมา

[🕡] కర్మన వహర్యాల నేసిలేడి ఎల్లానస్ముంది?

జ. చేహలు, వాళ్లి కోవన క్రియును జరుగ్రకొన్నప్పుడు కర్మన చదారా న్నీ నేరిలోకి పిడుదల చేస్తాయి.

కర్మన వదార్కాలు నీపిలో ఎలా చేరుకాయి?

జ. రగ్గన సవార్యాలు నోశ్యీ చేషకాల్లు చేరుకాయి.

[🚧] ఈ ఎగ్రక వదార్మాల వలన ఉషయోగమోమింగ

ಷ. ಈ ನಿ ಭರ ಭರ್ವರ್ ಉವಲನ ಸ್ಮನ್ಗಳನ್ನು ತ್ಯು ರಿತಗತಿನಿ ಪಾಗಾವುದ್ದರ್ಗುವಾಯ.

^{4 :} අන්වජා මේ රට බ්බ්බ්?

బ - శ్మైవలాలు చేస్తుంకు ఆమో రం 🧬

^{5.} ఎక్కౌ రియంలో ఉన్న సి.దారులు ఏస్పి

ಜ. ಎತ್ತು ರಿಯಾಲ್ ಕೃವಲಾಬ ಆತುವನ್ನು ನಿ ಮುತ್ತು ಉ ಅತ್ಯುತ್ತಿದ್ದಾರುಲು

^{6.} ಎಕ್ಕೆ ರಿಯಾಲ್ ವಿಸ್ಟಿಯಾಗವರು ವಿಶ್ನೇ

ಷ. ಎತ್ತೆ ರಿಯುಂಟ್ ವಿನಿಯಾಗ್ರಹ್ಯು ವೆಸ್ತಲು.

^{ా.} కొంతకాలానికి ఎక్కోరియం ఇడుగున ఏపిు ఏర్పడుతుంది?

జ. కొంగకాలానికి ఎక్కోరీయం అడుగున చూలికాహా రులు ఏర్పడతాయి.

ෂ ා ්ලුම්පත් රාහා ඉටල් ඩ්ඩාඩ ? 🎎

ಷ. ಪ್ರಗೌತಾವ್ ರುಣ ಸ್ವಾಕ್ಷ್ಮಪ್ಪಾನ ಔಪ್ರ ಣ.

The state of the s

มีเรื่อง เล่า เกาะ เกาะ เกาะ การ์ พอลา

กุ ซอสางเร็ม ′่ ผู้ มีรั้ง อ้าทั้ง กั**รกับ สีรื่**อ รียวข้า,วนิท

มี วกรายส่ว ัฐ ไร้เกิดว่า ริง เกรายุ รถิงสายสังผล สุดมัน ขลิ เดือน งรีลีสมุข

కోవులకు నిర్మేశ చేసినాగాను చడారా ల మార్పిడి ఎలా చేస్తానులుంది?

క్రేందు నిగ్ని చెప్పాలను చుడు మార్లు పద్ధిత్ చదార్వాల మార్చిస్ జగుగునుంటి.

కేనిని ఒక్కి ఆనగం నున్న గుక్కిప్ ఏం కెలుస్తుంది గ

చేసిని జ్ఞాన్ ఉన్న స్వచర్గన్ను నియాంగ్రేజను

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మాక్కికలు, నుండియు సూక్కి కారడ్లులు గ్రికము, భాత్రగ్రాన్స్ట్రము, ఇంజనీరింగులోను, ఇర్మగార్స్ట్రము, సార్మీ స్వార్స్ట్ర్ ముక్కిక శార్ప్రము మొమలగు శార్ప్లాలలోను ప్రముఖ పాత్ర వరా వహిస్పూన్నాయి. భాత్ర, పాలఫోన్ శార్ప్ జిబ్లాలకు మాక్కికలు, మాక్కిక్సాలకును ప్రధాన పరికరాలగా నున్నాయి. మాక్కిక్స్ ను కౌరీసారిగా ప్రచే శావెర్మినవాడు అంగ్లగను శార్ప్ వేశ్వయ్మిన ఆర్టర్కెక్ Anthur Keylle 1821 - 1833 కౌనీష్ సంఖం అను ఆడపు వరుసలు, సిమ్మ వరుసలో టీర్మవకురస్సా కారములో అమనీనే అమ్మీ అమనీకకు మాక్కిక యనీ వేరిడిన నాడు జెల్ జెల్ నిల్మన్మర్ క్ష్మాన్స్ కారములో అమనీనే అమ్మీ అమనీకకు మాక్కిక యనీ వేరిడిన నాడు జెల్ జెల్ నిల్మన్మర్ క్ష్మాన్స్ కార్ములో అమనీనే అన్న అమ్మర్స్ గ్రామ్ మాక్కిక యనీ వేరిడిన నాడు జెల్ జెల్ నిల్మన్మర్ క్ష్మాన్స్ జాన్స్ జిక్కడు.

ఈ ఆధా శరుముల్లో మాక్రి కలు

- 📭 సమాచారాన్ని సిగ్బు చేనే పిధానంగానూ
- ప్ర ప్రాక్స్ యుల్మైన ఎం చూస్పీకా సంకలనానుం గబ్బీ మూస్పీ సను ఒక సంఖందేతను, మహాక సూప్పి చేతను గుణాహరాను చేయుటరయు, ఈ ప్రక్సియులకు సంబంధించిన సూత్సాలు, ధర్మాలు
 - . తె ఎసుమంటారు. ఇంకా మాక్కికల సహీ ంకుంతో రెండు చరరాసులలోని సమకరణ వ్యవస్థను సాధిరోది విధాను గూడ త్యాలుసుకుంటారు.

- మాత్రికలు, మాత్రికా పద్మతులు దేనిలో ప్రాముఖ్యత వహిస్తున్నాయి?
- జు. మాక్కికలు, మాక్కిక్తా వద్దకులు గణితను, భౌతికశాస్త్రము, ఇంజనీరింగులలోను, ఆర్మ్మశాస్త్రము, సాంధ్రిక నమన్మలు, మనస్త్రిశా స్త్రము మొదలగు శాస్త్రాలలో ప్రముఖపాత్ర వహిస్తున్నాయి.
- ఎవరికి ఈ మాి్రికా సిద్ధాంతము పుధాన చరికరాలుగా ఉన్నాయి ?
- జ. భాత్రిక సాంఫింక శాస్త్రవే శా

మార్పి కలను కొలిసారిగా ప్రచేశవెద్దిన శాస్త్రవేశ్తే ఎవరు? మార్పికంను కొలిసారిగా ప్రచేశవెద్దిన శాస్త్రవేశ్త్తంగ్గణిత శాస్త్రవేశ్త్తంయన ఆర్టర్కెట్ AniFun య్యే 1821 ఈ 1895

సూగ్రాలు, ధర్మాలు తెలుసుమంటారు. ఇంకా మాక్రికల సనీ యంతో రెండు చరరాసులలోనే సమీచరణ ను వన్నను సాధించే నీధానం, గూడ తెలుసుకుంటారు.

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సిన్య టెని పెంలో కాన్మి సిన్రయాలను గుపించి సముచారాన్మి సిల్య చేసి యుంచవలసిన అవసరం ఉంటుంది. ఉదాక ధరణ జాబ్ కాలు పార్యలలో ప్రాదర్శించబడటం మనము తరమగా చూస్తునే ఉంటావ్ము. మూటిక్కి 1 - వేరోక్టరు రకాల తేయాకు ఫరలు ఏరూపాయులలోకి ఈక్కించ చూపబడ్మాయి.

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రకము ఎ	20		38	1	1 8 Ò
రకము పీ	25	•	45		200;

- 📭 రకము ఎ 🤊 కిలోం. భర ఎంతా
- జ. రకము ఎ ేయాకు 5 కిలోల ధర 180 రుాపాయులు.
- රජනා ඞ ම්රාජන ලු පිළු අර බරණ
- జ· రకము ఓ నేయాకు ౖ కిలో ధ 25 రూపాయు ు· 2
- 环 ఒక కిలో రకము ఎెకేంగూకు రకము దీ తేయాకు కన్న ఎంత ఎక్కువ?
- జ ఒక కిలో రకను ఎ కేయాకు రకము బి తేయాకు కన్న 9 రూపాయలు ఎక్కువ-

- 5. 5 కిలోల రకనుు ఎ నేయాకు, రకనుు బ్రీ తేయాకు కన్నా ఎంత్ర ఎక్కువ? 🔻 👝 👝 👝
- జ. 5 కిలోల రకము ఎ తేరాహను, రక్షము ద్ధి తేయాకు కన్న, 20 రూపాయలు ఎక్కువ. 👵

ال تبد	, , 1	• '	39	1 4	1. 1 m		రెలుగు, హింద్,
		وبلاء	et.		The state of the s	รับเสลาย์	ఈ డిగుగ్రామ
		rayon.			•	•	•
		act jo	70%)	204	. గినిగమ	సామాడు శాస్త్ర మ	ు సాంఫియకశాస్త్రము
ఆనీ	E C	50	45	25	60	45	
సునీ	55	60	40	*5	70	48	'60 [']
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			30 మాస్తులు	•	• ,	•	· · · · · · · · · · · · · · · · · · ·
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			70 మగ్రమణం - మగ్రమణం		1		•
			ముగో మార్కు ంటో 50 మార్క		,	,	,
			ునోకన్మ ఎస్పి చ		್ಕು ವ ವಪ್ಪಿನ <u>ು</u> ?	` ' '	v
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恕•,	వీ ాం చోలి	ో సునితకు గ	గశకన్మ 10 మా	రులు తకువ	ທ ລ ຜານວນ∙		Arman SEE
ő ·	ජී ඡ්රා 7	గని శంలో అని	రకన్న ఎస్కి మ	గారులు వహ్మ	ာ က	,	•

- జ. గోనకు గణిసంలో అనినక్షన్మ 20 మారులు ఎక్కువ వహాఖయి 🕟
- ా గేత, ఆనిత, నునితలందరిలో ఇన్మిం టిని కలిపి ఎనరికి ఎక్కువ మార్కులు నచ్చాయి?
- బ ి. గీ క , ఇని క , సున్ లందరి బ్లో అన్మి టీనీ కరిసి గీతకు ఎక్కువ మార్కులు వచ్చాయి.
- గేన, అనీత, నునేతలలో అగ్జీ ంబీలో కలిపి ఎవరికి తక్కువ మారం, లు నబ్బాంమి?
- జం గోత, అనిత, నునోతలలో అన్ని ంటిలో కలిపి అనితకు తక్కువ మార్కులు వచ్చాయి.
- అని కకన్న సునీశకు ఎస్పి సబ్మ బ్ లో ఎక్కువ మార్కులు వద్చాయి?
- జ- అసితకన్న సునీతకు 5 సబ్యద్య్ ఎక్కువ మార్కులు వచ్చాయి.
- ద. అనితకన్మ గోతు ఎన్మి సబ్జర్ట్మ్ ఎక్కువ మార్కులు వచ్చాయి?
- జం ానీగాక కన్న గోతకు 4 గ్రబ్డబ్స్ట్ ఎక్కువ మార్కులు వచ్చాయి.

- 🕕 సన్నవే. గ్నేపు ఎక్కి సబ్హర్మ్లో ఎక్కువ మాన్కులు మద్యాయి?
- జ. నుకితకన్న గోనకు 4 నఓ్డర్మీస్ ఎక్కున మాత్తులు వహ్మాయి.
- 12 సమాగ్రామిలో ఎన్నికి ఏ ఏ స్ప్రాక్ట్ సి.గిత్తిన ఇప్పరికన్న ఎక్కువ మార్కులు వచ్చాయి?
- జా. నుగ్సులిలో కార్డిన కాలుగు, సాంధినకశాస్త్రములో పినిటిన ఇద్దరీకన్న ఎక్కువ మురుబలు వబ్యాయి. గోనకు కాంగ్లోను, మాలక్క గోకినం, సామాన్య శాస్త్ర ముల్లో పినిటిన ఇద్దరీకన్న ఎక్కువ మాన్యులు చబ్బాంమా. కమ్మే పి. ఒక్క సబ్జన్లో కూడ ఇద్దరీకన్న ఎక్కువ మార్గులు రాలేదు.

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మాచెరిక ఎకేఎ, నె, జాజే, ాకే ముగ్నులు దివాణక్కులు రెవకు పరోకమ్లులో గచ్చిన నూరుంగు క్రిలగ చూప ఉన్నాయి.

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- ఎక్స్, నెక్టాను గెలకు పరికట్టులో ఏ చరికట్ ఎక్కున నూర్పులు నచ్చాయి?
- జ. ఎక్క్ కి రెంకన చేకేకటో కన్న మొదది పరోకటోను, గె, జడ్లకు మొదది పరోకటో కన్న రెండవ చరికటో ఎక్కువ నూక్కులు నమ్మాయి.
- ೨٠ ೨೬೩, ಪ್ರಿ, ಜರ್ಡೆಲ್ ಮುನಡಿ ಸಗಿತ್ಯುಲ್ ೨ನರಿಸಿ ೨೪೩ ನ ಮಾರುಖು ವಪ್ಯಾಂಖಾ
- జ. ఎక్కే ఇ్, జడేలలో మొదటి చరికటో జడేకి ఎక్కువ నచ్చాయి.
- ా. ఎక్స్, వె., జడ్లలో రె.డవ చరోక్షలో ఎచరికి ఎక్కువ సూర్యులు నచ్చారును
- జ. ఎక్.ఎ, వె., జడ్లలో రెండ్రవ సర్కల్లో జడ్జ్ ఎక్కువ మార్కులు వహ్మాయి.
- టీపీఎ, ఎె. బిడ్జీలో మొదగి చరికట్లో ఎవరికి తపట న మారఫ లు వహ్బాంబా?
- జు ఎస్ఎ, వె, జర్ణలో మొంచది పరకాలో వె, కి తక్కువ మార్కులు వచ్చాయి.
- 5. ఎక్కే బె. జడ్లలో రెంకన పరోక్షలో ఎనరిక్ తక్కున నుంటులు చబ్బాయి?
- జ. ్ఫ్ క్స్ వై, జడ్లలో రెంచన చరక్షన్ వెక్ట్ తను వ మార్కులు వచ్చాయి.

గడిన గాళ్ళ నమ

ఈ సిధ*ాగా ఆడ్యవర్తుంలోను*, సిలువ నరు శలో సంఖ్యల ప్రదర్శన రూపవును మాస్కిక్ష అంట్రారుం ఈ సిధ్మాన శూస్కికలు చనకు సహూహార్మి సూదిస్తాయిం. అందువే ఆద్మి మాస్కికలను సమాహార మాత్రిక ాలుకా ము

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మాత్రిక వాఖా సమాచారనును సాంకోతిక రూచంలో రహస్యముగ అందబేంకువచ్చును స్ట్రాంట్ ఎ,ఓ,సి,డి.... జడీ లను 1,2,3,4.... 26 లను సంఖ్యలదే సూచిందిన. [3,1,19,20] అను మాత్రిక ను చూచిందును.

- 1. ఈ పింగా అడ్డునరుగాను సిలువ వరుగలాను సంఖుల ప్రచరంగను ఎమంటారు?
- జు ఈ ిగ్రాగా అడ్డు చునలోను, సిగువ చరునలోను నంఖుల ప్రచర్మనను మా త్రిక అంటారు.
- నమాచారాన్మి అందించే మాగ్రి కలనేమంటారు?
- జా నవూచారాన్ని అండించే మా ్రికలను నమాచార మాక్కికలంటారు.
- ాం మాక్రివ చావరా నమాచారాన్ని రహస్యంగా ఎలా పంపవమ్ము?
- a. మ్రోంక ద్వారా నమాచాన్ని సాంకేణిక రూపంలో రవాస్తుంగా పంపనము. ె

డిదాక ఎ, బి, సి, డి..... 2 లను 1, 2,3, డ 26 అను సంఖంచే సూపిందిన న ా1,19,20 శ్రీ అను చూప్రిక , ను నూపించునుం

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మార్కన్స్ కి కి కి దిగున వటం పాదరాజాద్, ఢిట్ల్ల్, ముద్రాను ఇను మూడు ముడ్లు నగరాలను రాంట్స్ ఉన్న చేస్తేకు నూర్పాలను దూప్పోటంది. ఆ దాపము వైనున్న టెండు నటించినను, చరాల చూపనుంచినను చూపడుడ్కాయని గనుసించంది. ఆడ దాపము వైనున్న టెండు నటించిన కరిటే చాపముల వ్యవస్థను చల రూపడు కి కాంటారు. ఈ నమాచారాన్ని మార్కిక ద్వారా ఎలా చూప్పూముల రుజు మహ్మ దారిలో ఏనగరనుు గుండాను వేనక్కి పురుగామారాన్ని కి డుగాట్ కి నేరు మార్కనుం అంటారు. ప్రాదరాబాదు నుండి ఢిట్ల్లో నేరుగా చేరు మార్కనున్న దాగి ప్రాదరాబాదు నుండి ముద్రా సుపు నేరుగా పోరుడానికి మార్కమున్న దాగ

ఢిల్ల్ ప్రాచరాహను ముజ్కాసు

హై హాట చూపవముని సనూచారాన్ని నూస్తినే దాశ్రా హ్యాదర్శించవచ్చు. మార్వహ్యూ క బ్యా నే సిధాననమ

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్రమహ్మా సు	' 's '	6,,,,,	' o'	•

- ಫಿ. ಪ್ರತಿ ಇಡ್ಡು ವರಸತುನು, ಮುಂದುನುನ್ನು ಪ್ರತಿ ನಿಲಮ ವರುಸಲಮ್ಮನನು ನಗರಾಲ ಪೆರ್ನ್ನ ಪ್ರಾಯಂಡಿ?
- బి. 📢 👌 రెండు న్యాగు నేరుగా ఒకే మార్తముచే కలుపుబడి రయుంటే 7 చే సూచించండి.
 - ిటి రెండు న్లాం నేరుగా రెండు మార్కాలనే కలుపబడి యుంటే 2 చే సుదించండి.
 - [స] రెండు స్థలాలను నేరుగా కర్చే మార్చంలేకుంటే ం చే సూదించండి.
- ఈ పెడ్మికలోని వినయాలను ఈ క్రింది విధంగా చూపుతాము

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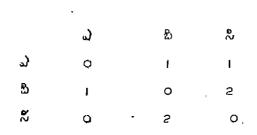
ఈ మాక్కి కలో

- ఎ∮ దుూడు అడ్కు వరుళలు, మూడు నిలువ వరుళలు ఉన్నా౦ుు
- ది) ప్రాదరాబాద్ నుండి ప్రాదరాబాడుకు, మద్రాను నుండి మహ్మానుకు ఢిల్లో నుండి ఢిల్లోకి మార్కాల సంఖం ం చే మా శ్రీకలో ముల్కకర్ణముచే సూచించబడ్డాయని గమనిస్తాము.

<u>గిపిశాస్త్రము</u>

- ≀∙ చూర గ్రాంత్ి ఏటుటి?
- ప్రాచేశాలను కలుపుగమార్గాలను మాన్ప పెట్మికను మార్గమాక్కిక అంటారు.
- జం దల రూపడుు అంటే ఏ ముద్ది?
- జ . ఒక తలము చైనున్న డిందునసిస్తోని కరీవే చాచముల మ్యవస్తను వలరూచము అంటారు.
- మార్చకాక్పిక వ్యాయాలంటే మొదట ఏమి వ్యాసుకోవాలి?
- బ. మారానూస్నిక వ్యామాలంటే మోదట ప్రస్తిత్తున్న వరుళకు ముందు ప్రస్తి నీలువ నరుళకు నుుందు ప్రస్తి సిలువ వరుళకు, ముందు నగరాల వేర్కు ప్రాయాలి
- 4. రెండు స్మలాలు నేరుగా ఒకో నూ ర్మముచే కలుపబడికే ఏ సంఖ్య చే సూచించారి?
- జ రెండు న్లాలు నేరుగా ఒకే మార్గముచే కలుహఎడితే । చే నూదించాలి -
- 5 రెండు న్లాం నేరుగా రెండు నూర్గాంచే కణుముడ్ యుంటే ఏ సంఖంచే సూపించారిం
- ఒ. రెండు న్యగాలు నేరుగా రెండు మార్గాలచే కలుప బడి యుంటే 2 సంఖుచే నూపించాలి.
- రెండు స్మలాలను నోరుగా కరిపే మార్పం లేకుంటే చేసితో సూపించాలి?
- బ రెండు గ్రాలను నేరుగా కల్పి నూర్గం లేకుంటే ం కో గూడించాలి -
- 7- ఈ క్రింప్ వల రూపను 🕴

🕴 లను మాత్రీక రూచంలో న్నాయండి



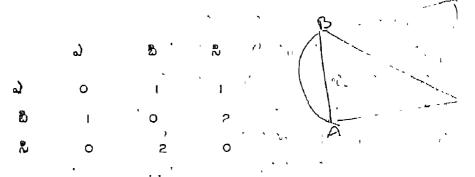


- ಎ ನುಂಡಿ ಡಿ ಕಿ ಎಸ್ಕಿ ಮರ್ಾಲುನ್ಮಾಂಬಾ
- జ• ఎనుండి ది కి ఒక నోరు మార్చమున్నపి•
- 2 ఎ నుండి ఎ కి ఎస్మి నేరు మార్కాలున్మాయి?
- జ. ఎనుండి ఎకి ఒక నోడు మార్యం కూడ లేదు అంటే ం.
- ూ ఎ నుండి సి కి ఎస్మీ నేరు మార్కాలున్నాయి?
- జ. ఎ నుండి సి కి ఒక నోరు మార్గం ఉన్నపి.
- 4 . బి నుండి ఎ కి ఎస్మి మార్కాలున్మాయి?
- జ- బినుండిఎకి ఒకో ఒక నేరు మార్గం వుంపి-
- 5 ఓ నుండి ని కి ఎస్మి నోరు మార్యాలున్నాయి?
- ಜ. ಬ ನುಂಡಿ ಸಿ ಕಿ ರಂದು ನೆರು ಮರ್ ಉನ್ನಾಯ.
- 6 బినుండి బీకి ఎస్మీ నేరు మార్కాలున్మాయి?
- జ. బి నుండి బి కి ఒక నోర్డు మార్గం కూడ లేదు.

7 - సి నుండి సి కి ఎస్మి నేరు మార్కాలుక్కాంబు?

జు ని నుండి నీ కి ఒక నోరు చూర్నం చూడ లేగు.

ు - వైడెప్పిన సంఖ్యలకో మాత్రికను వ్యాయుముగ



 ఎ. ఎ. దూ చనుులో, నూ్రి కగా ప్రాయుటకు మొదట మార్పి కకు రూపమును ప్రాయుముగ మార్పి చర్యాపము

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- ా చె్త్త వలరూచమును గమసించి ఎ నుండి ఎకి నేరు మార్గము లెస్మి బ్యా రయముగ
- జ. ఎ. నుండి ఎ కి నేరు మార్తము లేదు. కాబట్టి సి ప్రాంకుమలెను.
- ూ. ఎ, నుండి ఓ కి ఎస్మీ నోరు మార్గాబన్నాయి?
- జం ఎనుండి బీకి రెండు మార్గాలు న్మాయిం
- ఎ నుండి సి కి ఎస్మి నోరు మార్గాలుళ్ళాయి?
- జ. ఎనుండి స్ప్షిక నేరు మార్మము లేదు.
- 5. ఎ నుండి డి కి ఎస్మీ నేరు మార్గాలున్మాయి?
- జ. ఎ నుండి డి కి 🖫 నేరు మార్తముండి.
- 6. ఏ నుండి ఎ కి ఎస్మి నేరు మార్కాలున్మాయి?
- జ. బి నుండి ఎ కి రెండు నేరు మారా లున్నాయి.
- 7. ఓ నుండి ఓ కి ఎస్మి మార్కాలున్నాయి?
- జ. బినుండి బీకి 4క్క మార్శము లేదు.

క్రి ప్పి చూడుము

_-గ దీత శాస్త్రము

డి నుండి సి కి మన్మీ నేరు నూర్గాలున్నాయి? బ నుండి సి.కి ఒక నేరు మార్కాముంది -ట నుండి డికి ఎస్మి నేరు మార్గాబన్నాయి? బి నుండి డికి ఒక నేరు నుాగ్తమున్నది. ఈ మార్భానం మాక్కికలో గాపించండి. ్కై విధంగానే సి నుండి ఎ.బి.సి.డి లకు ఎస్మి నూర్గాయ్నాయో గమనీంచి నూప్రికను సింగండి. 12. డి నుంపి ఎ.బి.సి.డి. ఆను ఎస్బి మార్యాయ్నయా గమనించి మాక్రికను సింశండి. 13. ఇప్పడు మొస్తం ఫెక్టికను బ్రాయాండి 14. ఈ ప్రింద్ నల రూచవును చూశ్రీకలో న్నాయండి

గణిత్తాన్నము

15•	క్రింహ్మింటో :	కొన్ని	నగ <i>రా</i> లు :	ఎ విధంగా	కలుపబ డ్మాయో	చూపిస్తుంది.	ఈవల	రూపమును
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ు) - ఆ సంస్థున్నాలు నేసిగా రెలరో మాగ్లు లేకుుల్మెం చే నూడిన్ముంది -

ಣ. ಪ್ರಾಡಿಮ್ನ ಪ್ರಾ ಮು ಇದೆ ಪ್ರವೇಶಮುತ್ ಕಲುಸ್ಪಡಿ ಪುಂಡೆ । ವೆ ಸುಾದಿಂದಂಡಿ.

A B D

ాప్పును ఈ క్రింపి నశ్మలకు ఒవాజిస్తూ నూప్రికను పూర్తి. చేయండి 🕆

ా చాటే - వెబ్ లో కలుహహ్ చ్యంది

బ రలుగుడి చ్వంసి

ా ເວນ ໄດ້ພາ ຄວາມວິດພາຊົນ

ఒ• ఒకది నూదీంచారి•

उం ాెట్, ఓ కో కణుమబడ్ వృందా? వెట్,బ్ అను ఏం పూదించాలి?

ఒ - వెచ్ , స్ట్ కలమబస్ చురెస్, కా గున ఒకట్ నూచించాల్.

4. పెట్,సి, కు ఏం సుచించారి?

జ హెచ్, సి,లకు 0 సూధించాలి

ా హెచ్.డి.లకు ఏం నూడించారి?

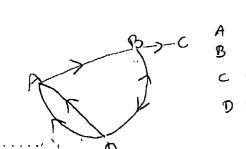
జ వెచ్.డి.లకు ర సుచించారి ై

ూలాగే మీగిలిన చరుళలు ప్రశ్నీ చేయండి

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16. ర క్కనున్మ చేరు మార్గ మాక్కికను సివరించే వల రూపమును చూపించండి?..

17. ఈ ప్రక్షన చూపబడిన నౌరుమార్గ మాక్రిక సివరించే వల రూపం చూపండి



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C	0	0	0	0
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క్రి చ్చిచూడుగు • • •

ప్పింద్ హాజములో ఎ,ఓ,ఫి,డి,ఎక్క్ ఇనే గమ్ప్రేస్ చూస్తున్నాము. ఇందు కొన్ని దిందువు లు మిగిలిన వాటి కో సౌక్షియాలు కొక్కి కావ్కం ఈ నమాచారాన్మి సంఘటన మాత్రిక డ్యారా చూపెస్తాముం

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J. ಅ ಡ್ಯುವರುಸ್ ರೆಖಲನು, ಕಿಲುವ ವರುಸಲು ಆ ರೆಫ್ಕ್ಯಾನುನ್ನ ದಿಂದುಪುಲನು ಸೂಪಿಸ್ತಾಮು. 🗀

జి- ఒక పిందువు ఒక ేఖవై వుంటే । ఆవన్మ లేకుంటే ం ఆసి వ్యాసాము- .'

🕦 సంఘటన చూక్రిక 🕬 దేసినంట రు?

జం రెండురోఖలు ఒక దానీనాకట్ కరీసీనవుడు కాన్మి బిందువులు నరేఖ్యాలు, కాన్మి బిందువులు . ా న**ేఖ్యాలు కావు• ఈ నమాచారాన్ని** తెలినే మాత్రి చలను సంఘటన మాత్రిక అంటారు_{కి స}

24 సంభ్యాన మాక్కి కర్తు ఒక ఉదాహరణసీమ్ము ? 💎 🦠



ఈ పటములోని బిందుభులను, రోఖలను ఈక్ర్మింది వీధంగా గుర్మించవడ్డును

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గ్రదీత్రశాస్త్ర ము

1 . ಎ, ಡಿ ರೆಋನ್ಡ ಎ ಬಿಂದುವು ವುಂದಾ ಚ.ಎ, ಡಿ ರೆಭನ್ಡ ಎ ಹಿನ್ನುವು ವುಂದಿ .

ా ఎ,మీ రోఖవైఎ దీందువుంటే ఏం నూదించారి? జ ఎ,దీ రోఖవైఎ వుంటే । కో సూదించారిం

ತ. ಶಿ ಶಿಂದುವು ವಿ,ಶಿ ರೆಭಾವ್ತ ವ್ರಂದಾ? ದೆನಿಕ್ ಸುಕಿಂಪಾರಿ? 🔻 🔻 🔻

జం ఓ ఓందువు ఎ,ఓ రేఖవె, వుండి కాబట్మి ్లో సూచించారిందా కాట్స్ క్స్ కాట్స్ కాట్స్ కాట్స్ కాట్స్ కాట్స్ కాట్స్ కాట్స్

4. ి, డి ఓందున్నలను ం కో సూచించారి?

జం సి.డి బిందునులను ం తో సూపించాలి ఎందుకంటే అపి ఎంటి రేఖవై లేదు కాబట్ని 💎 😙

5 - ఎక్ఫ్ బిండువును దేసికో సూపించాలి?

ಜ ಎತ್ಮೆ ಹಿಂದುವುನು । ನ್ ಸುದಿಂದಾರಿ ಎಂದುಕಂಟೆ ಅದಿ ಎ, ಹಿ ರೆಭವ್ತ ವುಂದಿ ಹಿಡಿದೆ ನಿ

ం ఎ,ఎక్_{స్} రేఖవ్తె . శృన్మ : బిందువులను , లేసి బిందువులను గుర్తించుము?

ಜ \cdot 1, 1 $\frac{1}{2}$, $\frac{1}{2}$ $\frac{1}{2}$ 1, $\frac{1}{2}$, $\frac{1}{2}$ $\frac{1}{2$

7 - ఎక్న్, ఓ , రోఖవైఏ బిందుచులున్నా యి? ఏపి లేదు?

ಜ. ఎక్నే, బీ, రేఖవ్తె ఏ, బీ, ఎక్నేబు ఉన్నారు. సి, డిలు లేవు.

ా ఆ - సి.ఎక్స్ రేఖవ్హెఏ దిందువులు ఉన్నాయి? ఏపి లేవు?

ಜ ಸಿ, ಸಿಕ್ಸ್ ರೆಭವ್ಡ್ ಎ, ಹಿ ಹಿಂದುಪುಲು ಶೆವು ಿ ಸಿ, ಡೀ ಅನ್ನಾಯು.

g. ఎక్న్, డి, సి. డి, రేఖవ్వె ఏ చింద్రములు వు న్మాంబా

జ. ఎక్న్, డి, ని, డి, రేఖప్తె ని, డి, ఎక్న్ బిందుబులు పున్నాయి. ఎ, బి బిందుపులు లేపు.

STUDENTS' BIO - DATA

1.	Name		:		
2.	Class		:		
3,	Age		:		
4.	Mother Tongue		;		
5.	Degree of hearing lo	SS	:		
6.	Type of hearing loss		;		
7.	On set of hearing lo	SS	;		
8.	Speech problems		:		
9.	Parents Education	Father Mother	; ;		
9 (a). Parents Occupation	rathe Mothe			
10.	Income		1		
11.	Siblings & their Ed tional status	luca-	:1. 2. 3. 4. 5.		
12.	Caste		1		•
13.	Other instances of loss in the family	hearing	;		
14.	Achievement level i	in the class	:	1. 2. 3. 4.	Telugu Science Social Maths
15.	Age of Sending scho	001	:	a	
16	T O		:		

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